

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102218\
 Data File : BF110046.D
 Acq On : 22 Oct 2018 14:03
 Operator : JU/SJ
 Sample : J5195-03 2X
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

Sohil
 10/23/2018 2:18:39 PM

Quant Time: Oct 23 08:58:28 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	234807	20.00	ng	-0.01
21) Naphthalene-d8	8.25	136	922150	20.00	ng	-0.02
39) Acenaphthene-d10	10.01	164	400456	20.00	ng	-0.02
64) Phenanthrene-d10	11.50	188	610435	20.00	ng	-0.01
76) Chrysene-d12	14.15	240	446919	20.00	ng	-0.01
87) Perylene-d12	15.67	264	258906	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.59	112	662102	44.70	ng	-0.01
7) Phenol-d6	6.59	99	846634	46.03	ng	-0.02
23) Nitrobenzene-d5	7.53	82	513336	37.50	ng	-0.02
42) 2,4,6-Tribromophenol	10.80	330	143976	41.53	ng	-0.02
45) 2-Fluorobiphenyl	9.33	172	898978	35.82	ng	-0.01
79) Terphenyl-d14	13.09	244	619365	29.10	ng	-0.02
Target Compounds						
10) Phenol	6.60	94	80646	4.061	ng	Qvalue # 63
31) Naphthalene	8.27	128	104477	2.471	ng	98
49) Acenaphthylene	9.87	152	80439	2.107	ng	98
50) Dimethylphthalate	9.72	163	134927	4.758	ng	100
71) Phenanthrene	11.53	178	256252	8.109	ng	99
72) Anthracene	11.57	178	73812	2.323	ng	97
75) Fluoranthene	12.72	202	412688	13.072	ng	99
78) Pyrene	12.95	202	438629	13.363	ng	99
81) Benzo(a)anthracene	14.14	228	214811m	8.160	ng	
83) Chrysene	14.17	228	205136	8.187	ng	97
86) Indeno(1,2,3-cd)pyrene	17.23	276	145733	7.224	ng	99
88) Benzo(b)fluoranthene	15.22	252	290406m	19.456	ng	
89) Benzo(k)fluoranthene	15.24	252	66397m	4.513	ng	
90) Benzo(a)pyrene	15.60	252	214243	15.606	ng	# 96
91) Dibenzo(a,h)anthracene	17.23	278	30006	2.466	ng	# 71
92) Benzo(g,h,i)perylene	17.70	276	168161	13.680	ng	94

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

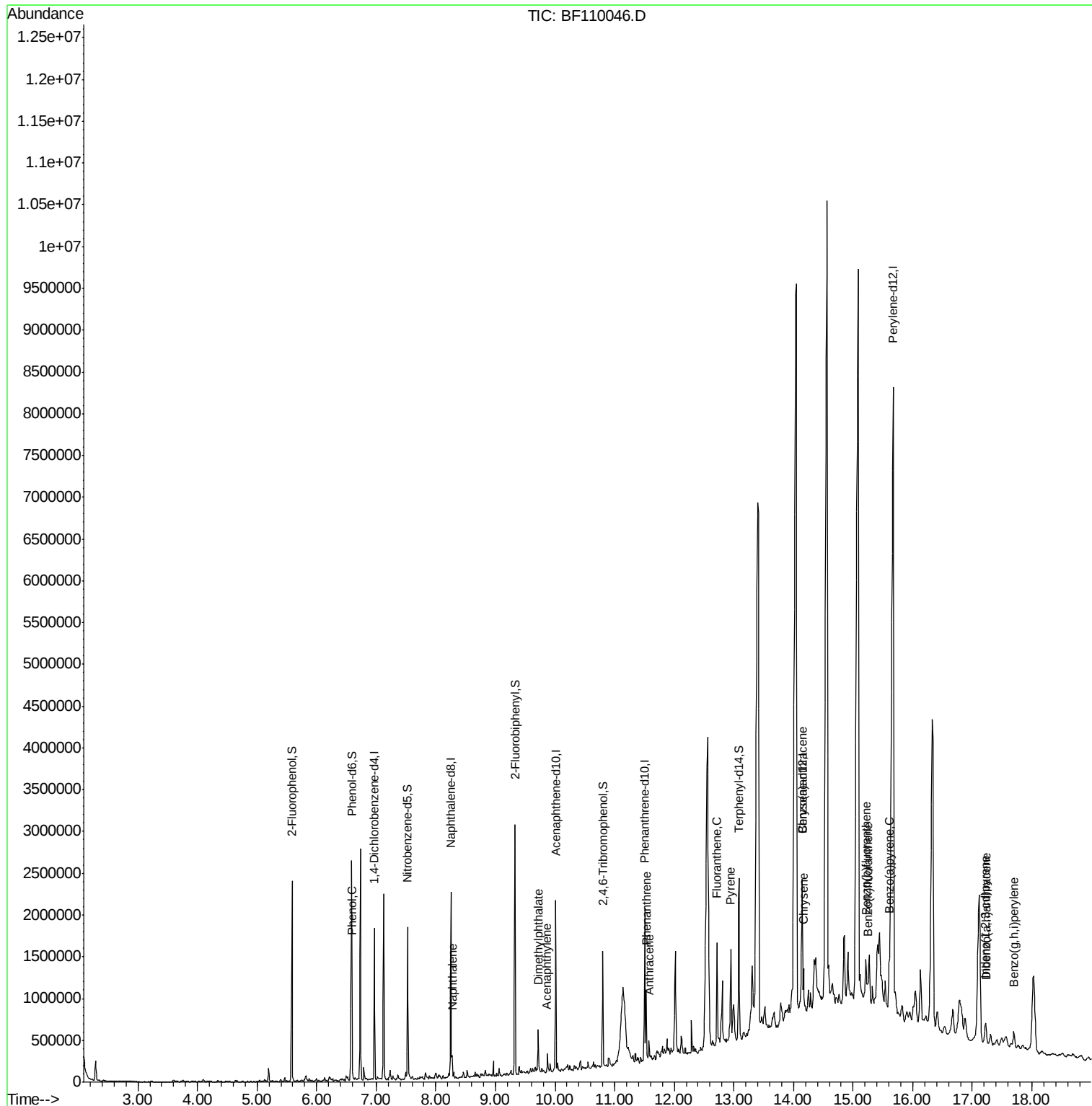
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102218\
Data File : BF110046.D
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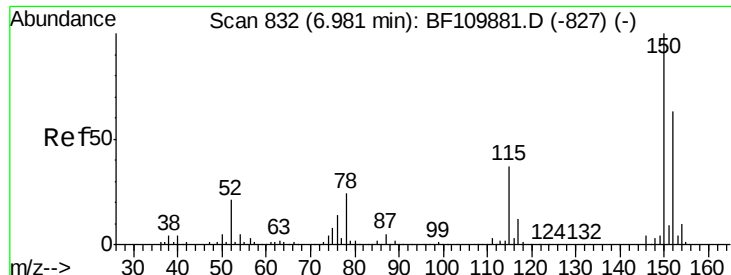
Instrument :
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JC-02-101818-A

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Quant Time: Oct 23 08:58:28 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

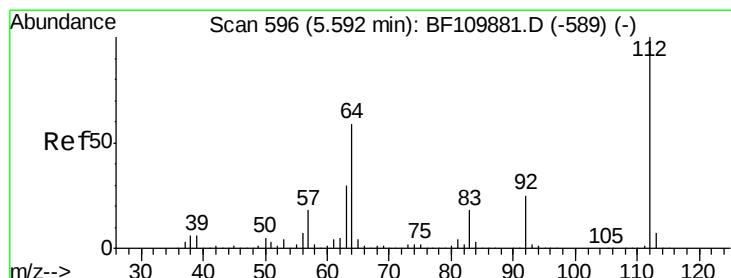
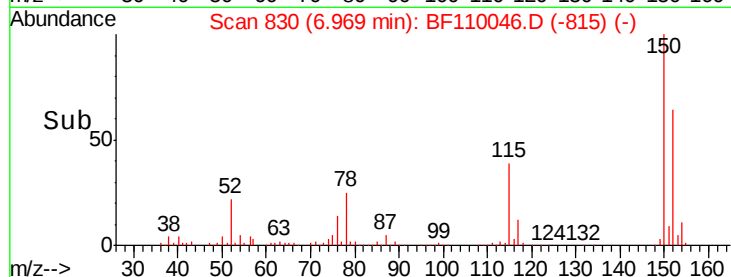
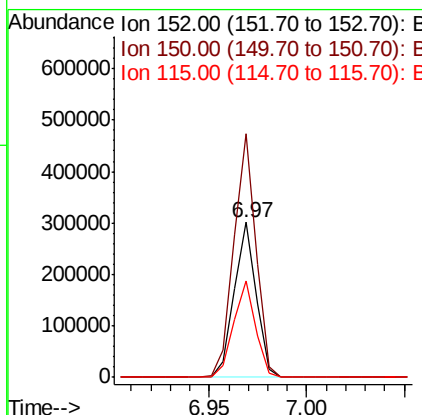
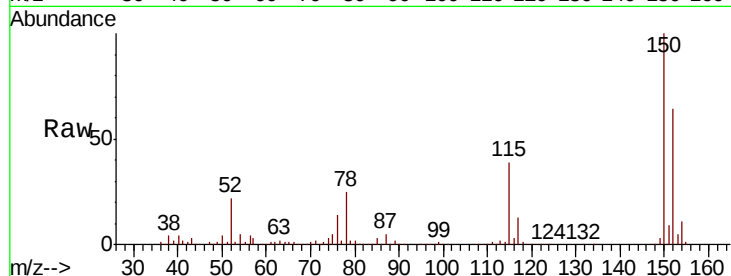
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 830
Delta R.T. -0.01 min
Lab File: BF110046.D
Acq: 22 Oct 2018 14:03

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

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.4	122.7	184.1
115	62.1	49.1	73.7

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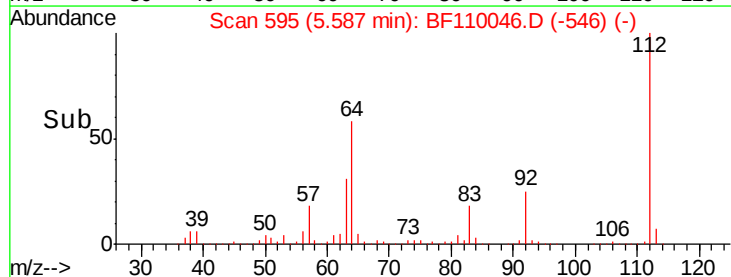
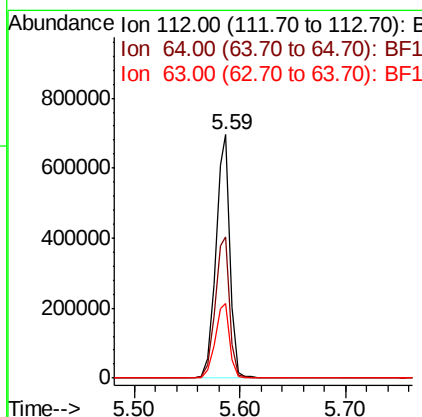
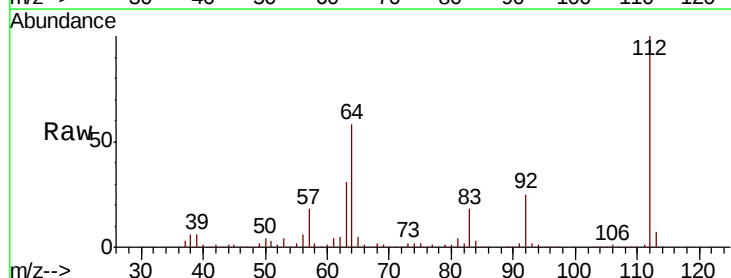
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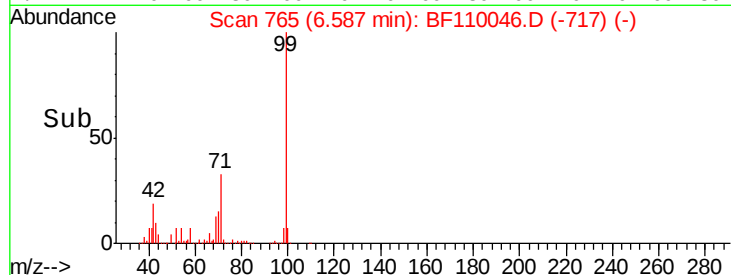
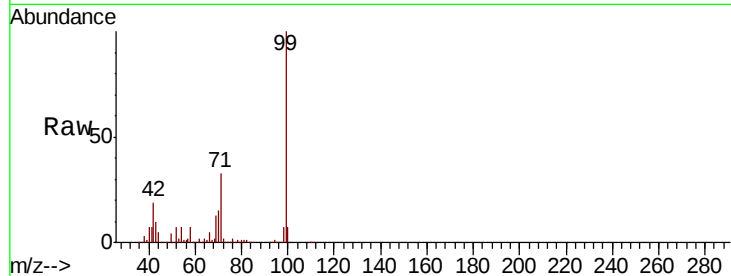
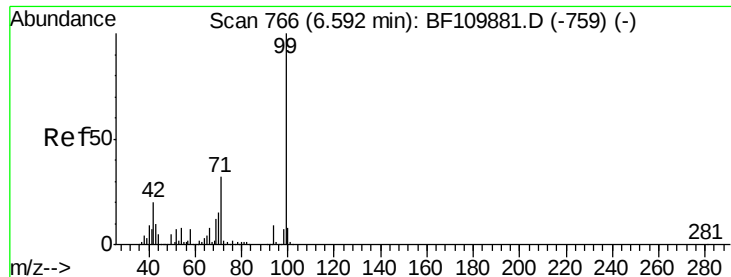


#5

2-Fluorophenol
Concen: 44.697 ng
RT: 5.59 min Scan# 595
Delta R.T. -0.01 min
Lab File: BF110046.D
Acq: 22 Oct 2018 14:03

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.8	44.1	66.1
63	30.7	23.7	35.5





#7

Phenol-d6

Concen: 46.028 ng

RT: 6.59 min Scan# 765

Delta R.T. -0.02 min

Lab File: BF110046.D

Acq: 22 Oct 2018 14:03

Tot Ion:	99	Resp:	846634
Ion Ratio	Lower	Upper	
99	100		
42	18.6	15.8	23.6
71	33.2	28.0	42.0

Instrument :

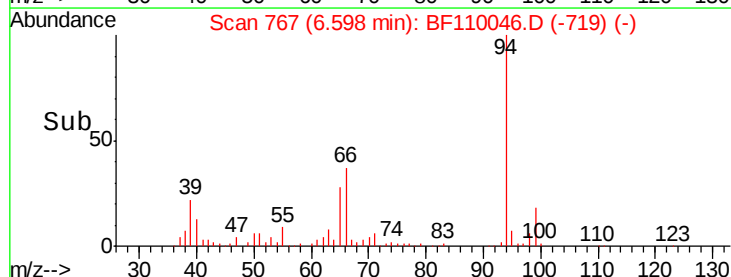
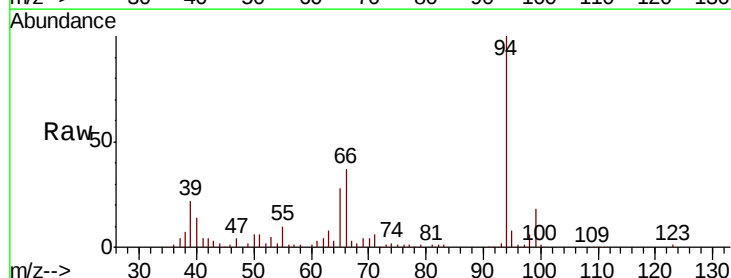
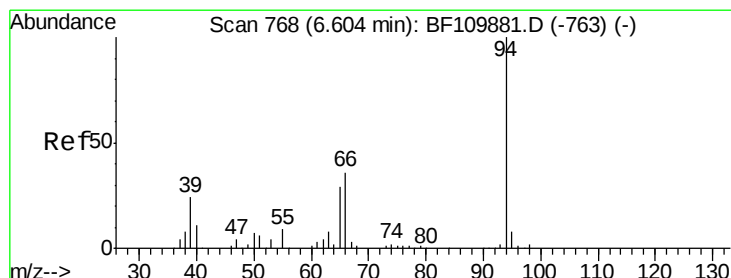
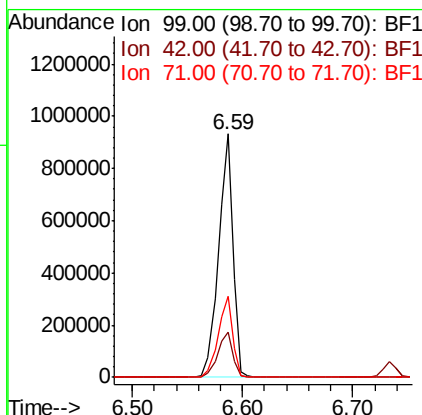
BNA_F

ClientSampleId :

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#10

Phenol

Concen: 4.061 ng

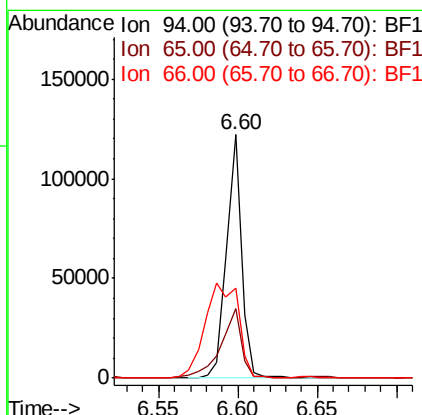
RT: 6.60 min Scan# 767

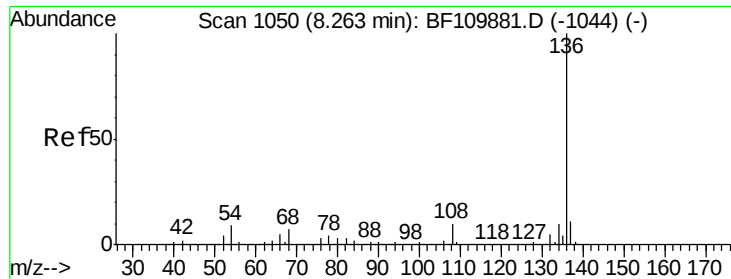
Delta R.T. -0.02 min

Lab File: BF110046.D

Acq: 22 Oct 2018 14:03

Tgt Ion:	94	Resp:	80646
Ion Ratio	Lower	Upper	
94	100		
65	28.5	25.3	65.3
66	37.1	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: BF110046.D

Acq: 22 Oct 2018 14:03

Instrument :

BNA_F

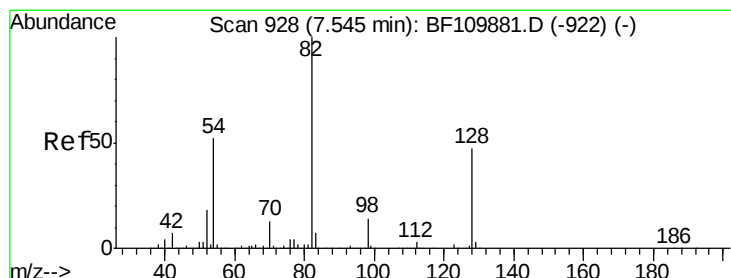
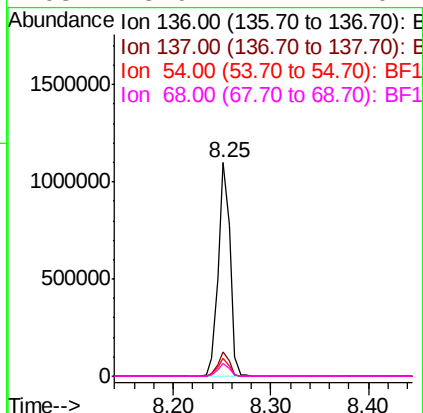
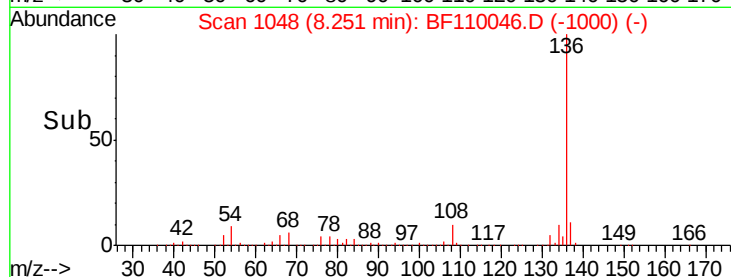
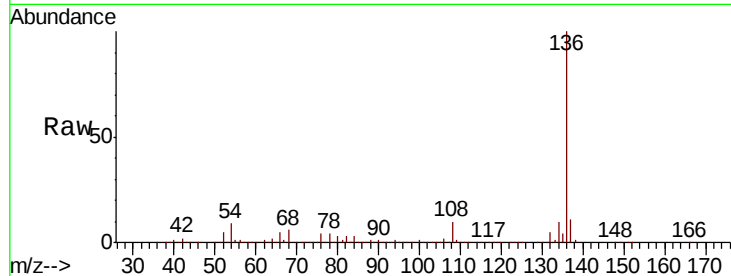
ClientSampleId :

JC-02-101818-A

Tot Ion	Ratio	Resp Lower	Upper
136	100		
137	11.2	8.8	13.2
54	8.6	5.4	8.2
68	5.9	4.2	6.2

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#23

Nitrobenzene-d5

Concen: 37.500 ng

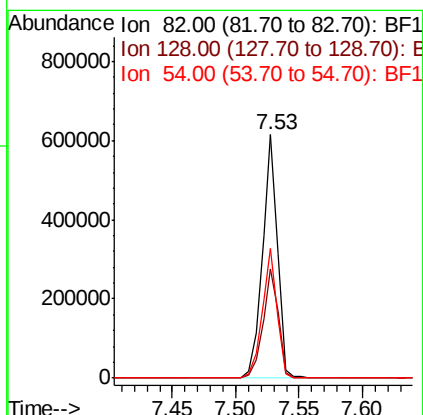
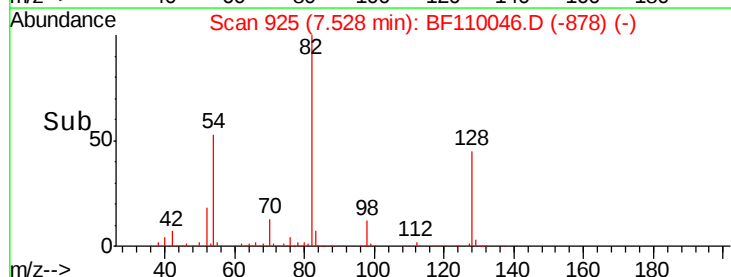
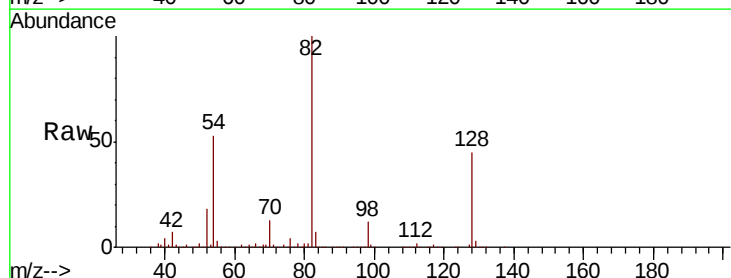
RT: 7.53 min Scan# 925

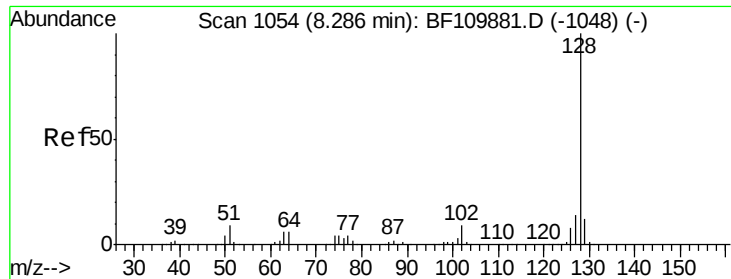
Delta R.T. -0.02 min

Lab File: BF110046.D

Acq: 22 Oct 2018 14:03

Tgt Ion	Ratio	Resp Lower	Upper
82	100		
128	44.9	34.2	51.2
54	53.1	38.6	58.0





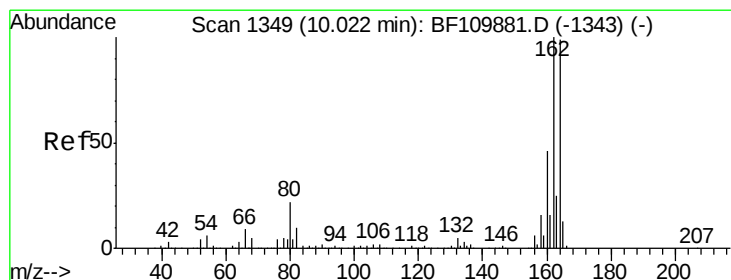
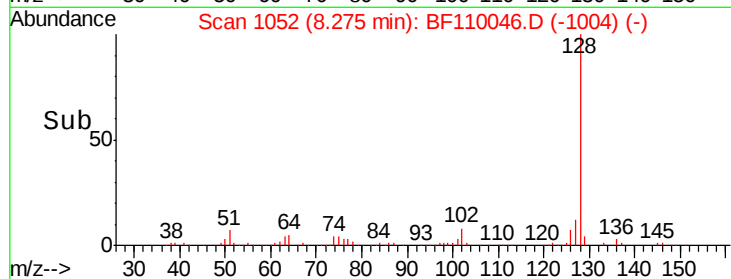
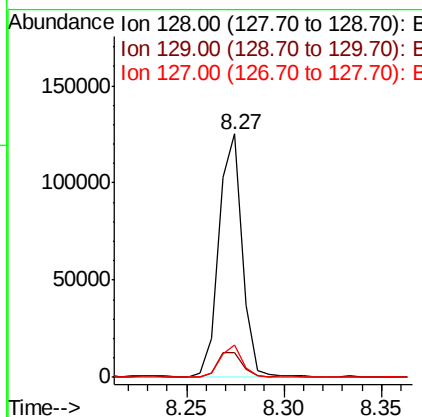
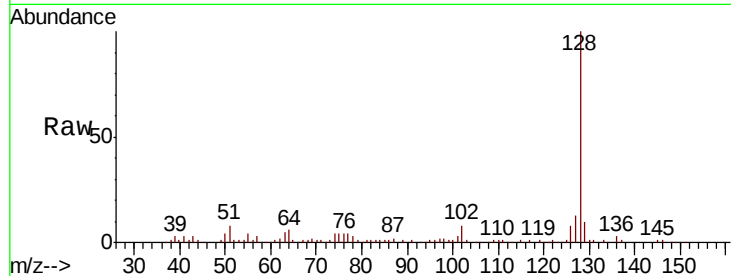
#31
Naphthalene
Concen: 2.471 ng
RT: 8.27 min Scan# 1052
Delta R.T. -0.02 min
Lab File: BF110046.D
Acq: 22 Oct 2018 14:03

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

Tot Ion	Ratio	Lower	Upper
128	100		
129	10.1	8.8	13.2
127	13.2	10.8	16.2

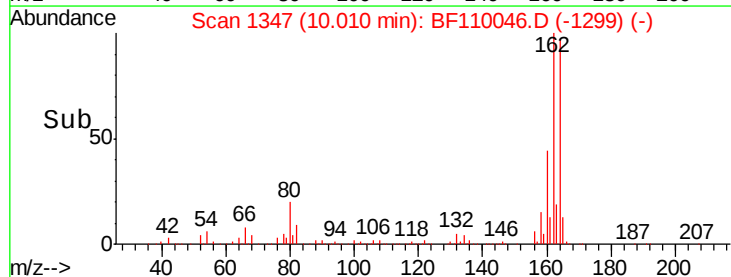
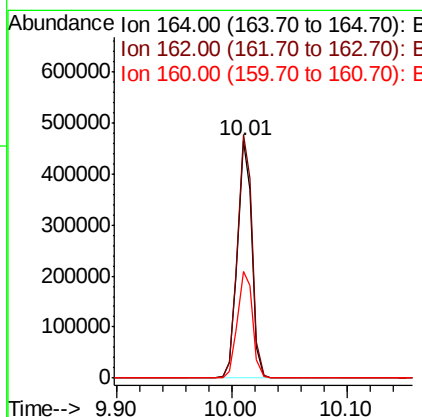
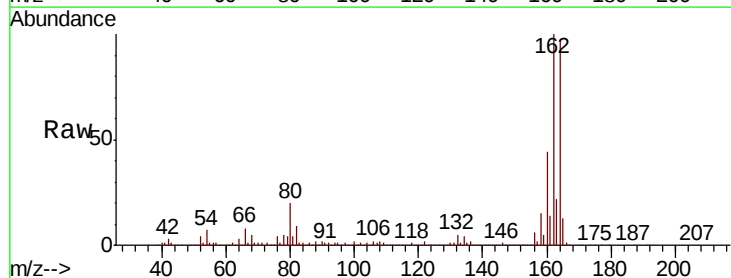
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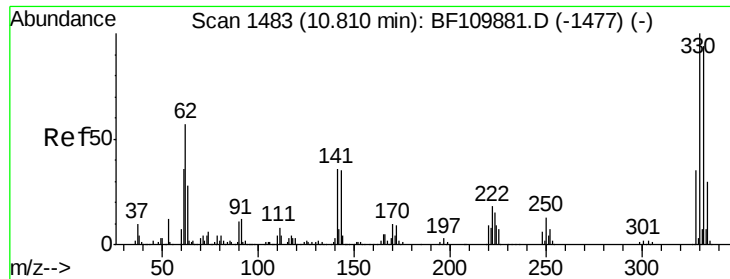
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.01 min Scan# 1347
Delta R.T. -0.02 min
Lab File: BF110046.D
Acq: 22 Oct 2018 14:03

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.6	83.0	124.6
160	45.2	37.0	55.6





#42

2,4,6-Tribromophenol

Concen: 41.527 ng

RT: 10.80 min Scan# 1481

Delta R.T. -0.02 min

Lab File: BF110046.D

Acq: 22 Oct 2018 14:03

Instrument :

BNA_F

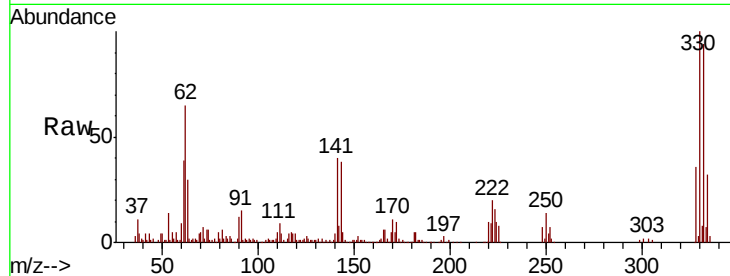
ClientSampleId :

JC-02-101818-A

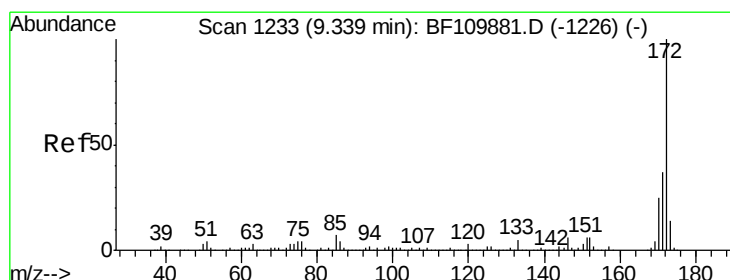
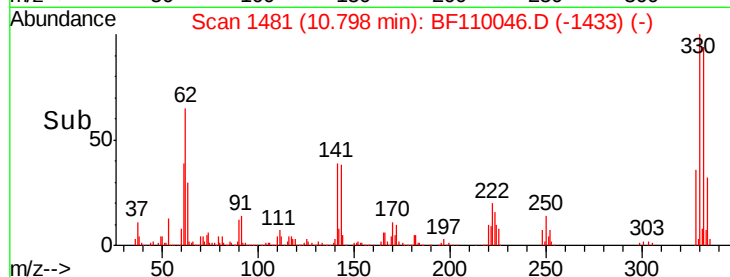
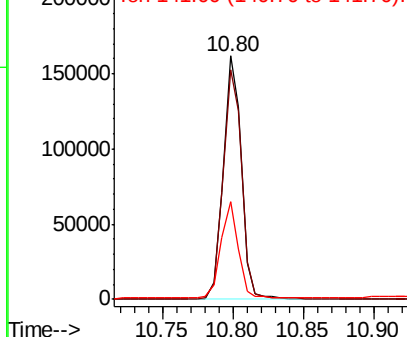
Tot Ion:	330	Resp:	143976
Ion Ratio	Lower	Upper	
330	100		
332	96.9	77.1	115.7
141	38.7	27.0	40.4

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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



#45

2-Fluorobiphenyl

Concen: 35.821 ng

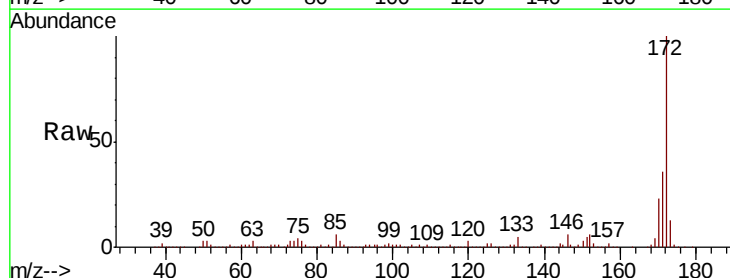
RT: 9.33 min Scan# 1231

Delta R.T. -0.01 min

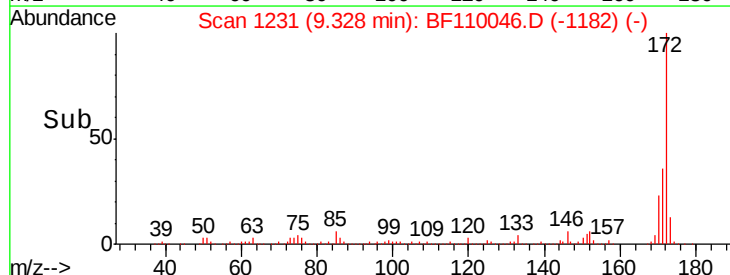
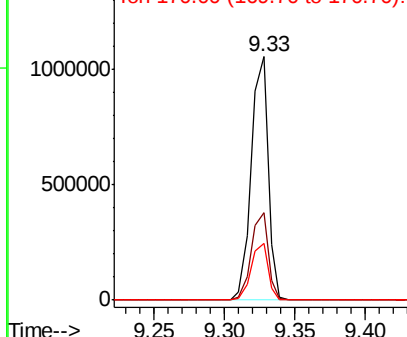
Lab File: BF110046.D

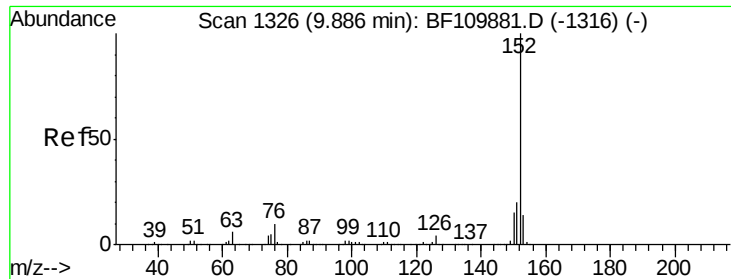
Acq: 22 Oct 2018 14:03

Tgt Ion:	172	Resp:	898978
Ion Ratio	Lower	Upper	
172	100		
171	36.0	28.6	43.0
170	23.4	19.7	29.5



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





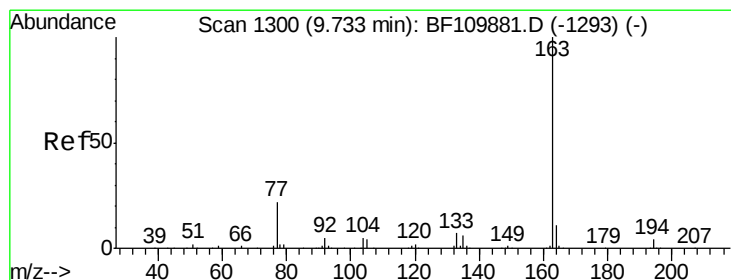
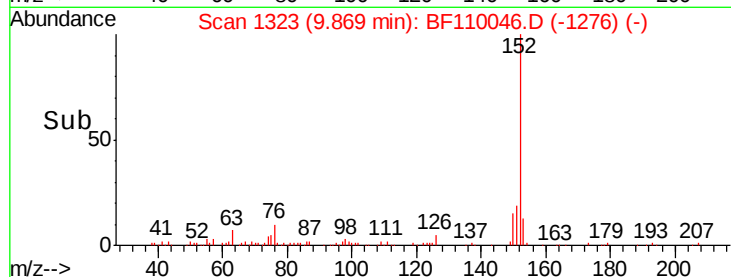
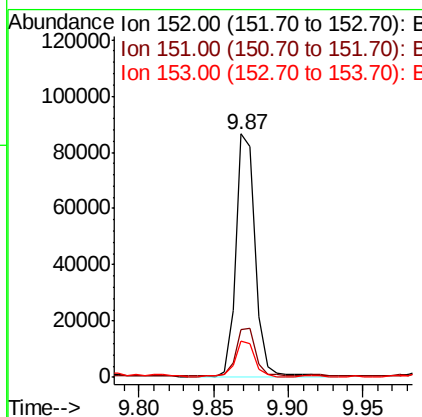
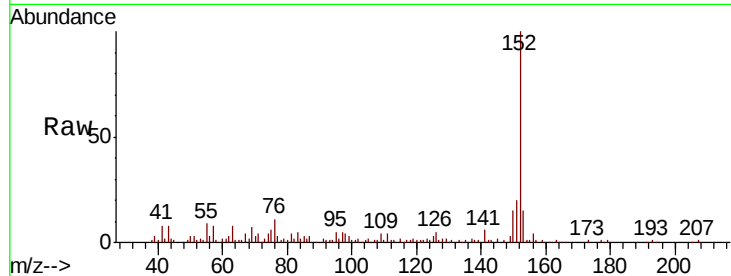
#49
Acenaphthylene
Concen: 2.107 ng
RT: 9.87 min Scan# 1323
Delta R.T. -0.02 min
Lab File: BF110046.D
Acq: 22 Oct 2018 14:03

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

Tot Ion	Ratio	Lower	Upper
152	100		
151	19.7	15.8	23.8
153	14.8	10.4	15.6

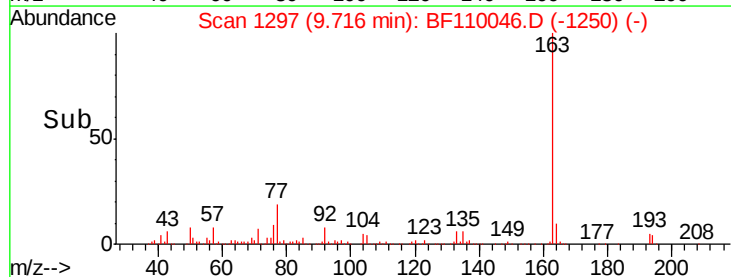
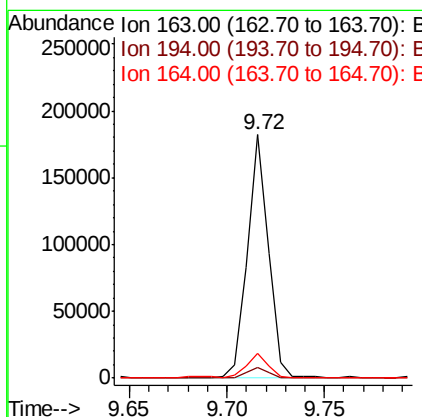
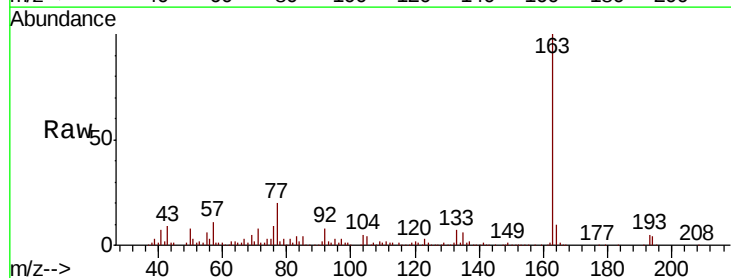
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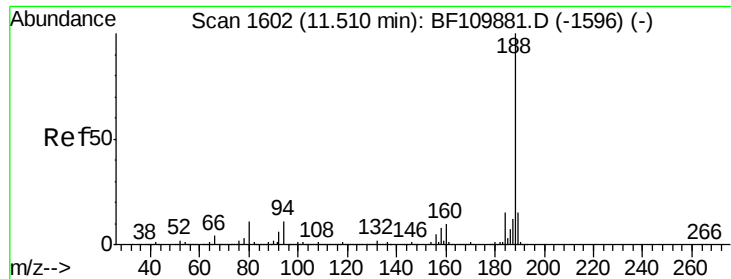
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#50
Dimethylphthalate
Concen: 4.758 ng
RT: 9.72 min Scan# 1297
Delta R.T. -0.02 min
Lab File: BF110046.D
Acq: 22 Oct 2018 14:03

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.4	3.2	4.8
164	10.1	8.1	12.1





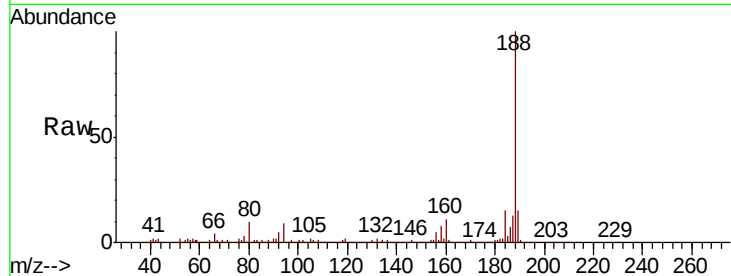
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.50 min Scan# 1601
Delta R.T. -0.01 min
Lab File: BF110046.D
Acq: 22 Oct 2018 14:03

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

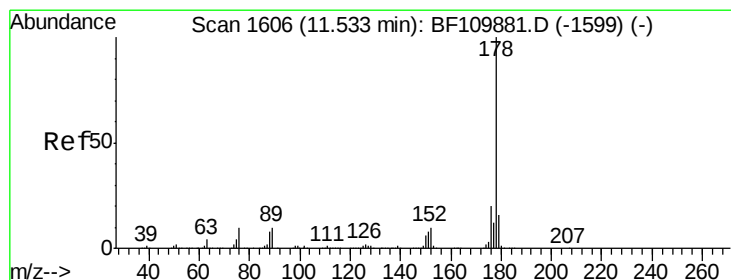
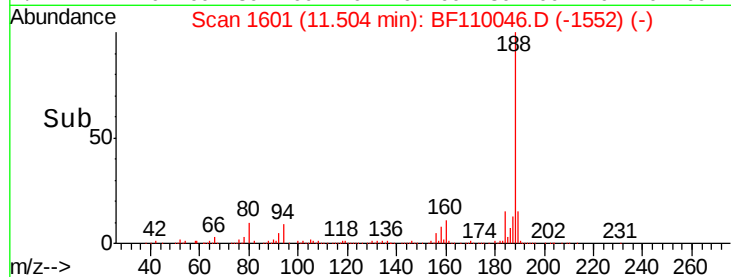
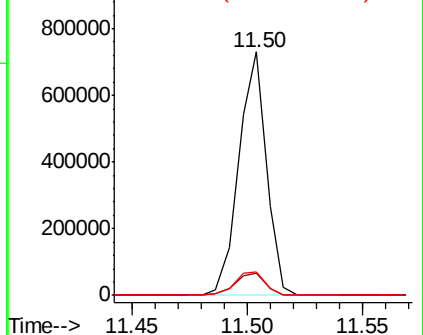
Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	9.3	7.2	10.8
80	9.9	7.9	11.9

Manual Integrations
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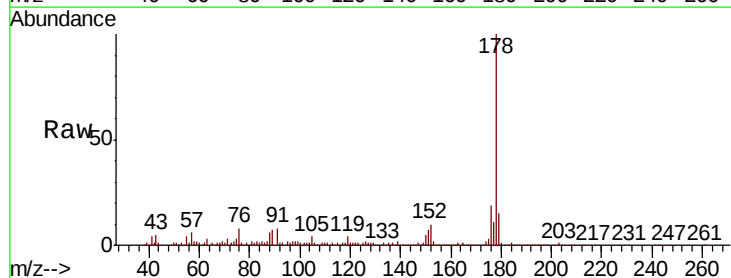


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

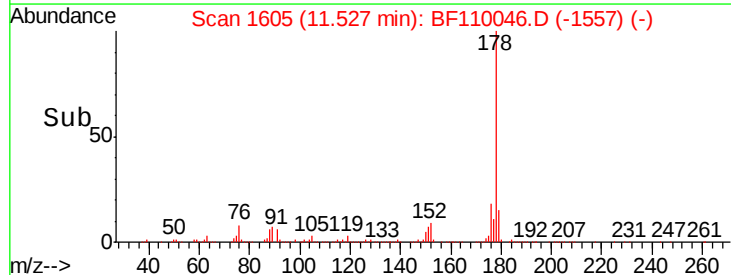
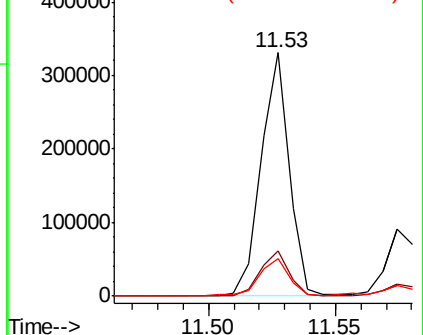


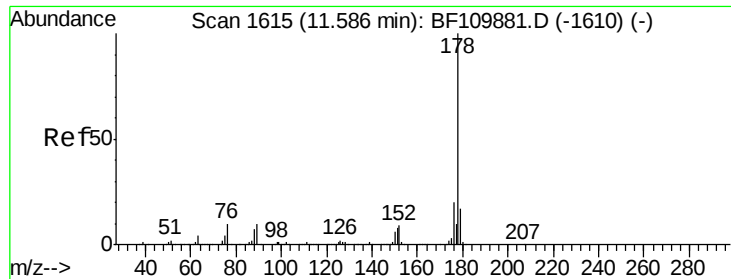
#71
Phenanthrene
Concen: 8.109 ng
RT: 11.53 min Scan# 1605
Delta R.T. -0.02 min
Lab File: BF110046.D
Acq: 22 Oct 2018 14:03

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	18.6	15.5	23.3
179	15.2	12.5	18.7



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





#72

Anthracene

Concen: 2.323 ng

RT: 11.57 min Scan# 1613

Delta R.T. -0.02 min

Lab File: BF110046.D

Acq: 22 Oct 2018 14:03

Instrument :

BNA_F

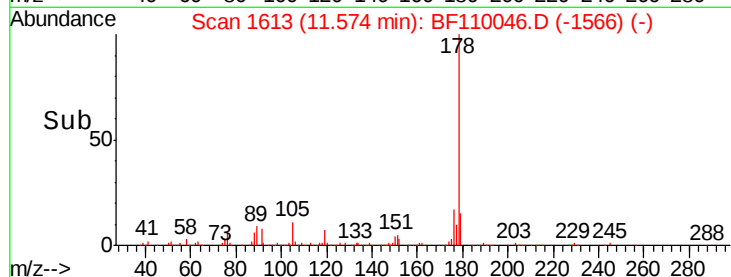
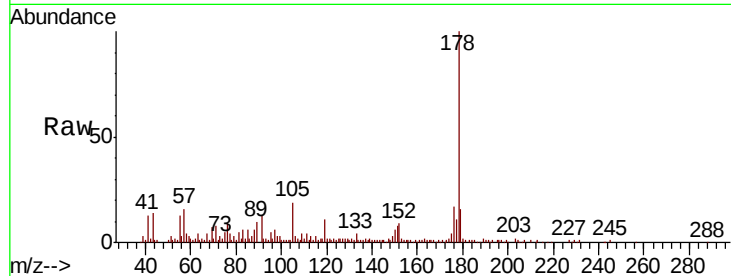
ClientSampleId :

JC-02-101818-A

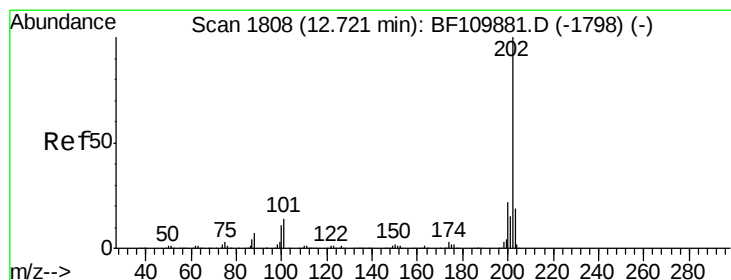
Tot Ion:	178	Resp:	73812
Ion Ratio	Lower	Upper	
178	100		
176	17.1	15.4	23.2
179	16.2	12.6	18.8

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Time-->



#75

Fluoranthene

Concen: 13.072 ng

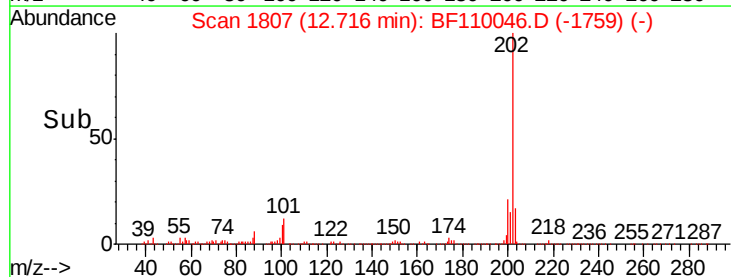
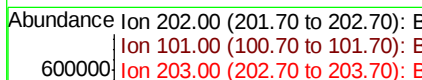
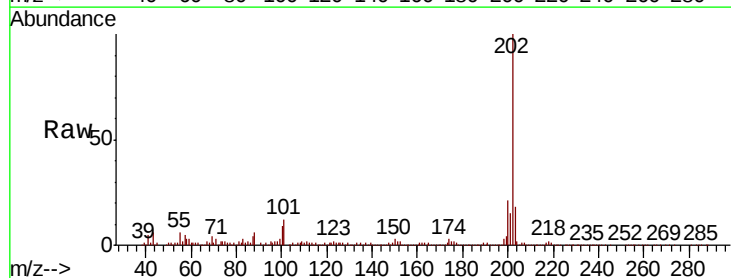
RT: 12.72 min Scan# 1807

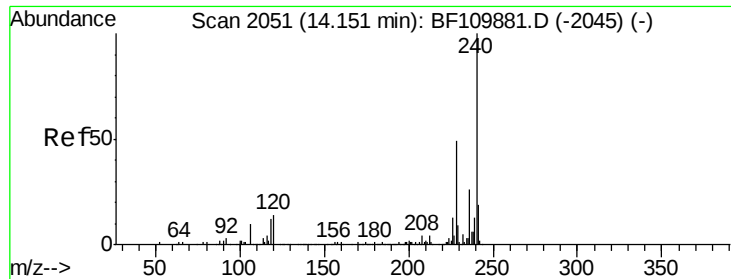
Delta R.T. -0.02 min

Lab File: BF110046.D

Acq: 22 Oct 2018 14:03

Tgt Ion:	202	Resp:	412688
Ion Ratio	Lower	Upper	
202	100		
101	12.2	0.0	31.4
203	17.7	0.0	37.7





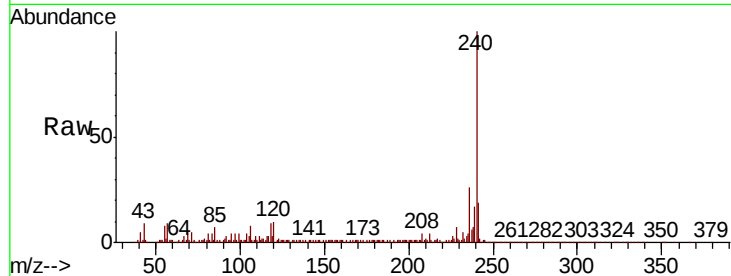
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.15 min Scan# 2051
Delta R.T. -0.01 min
Lab File: BF110046.D
Acq: 22 Oct 2018 14:03

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

Tot Ion	Ratio	Lower	Upper
240	100		
120	10.4	8.3	12.5
236	25.8	21.2	31.8

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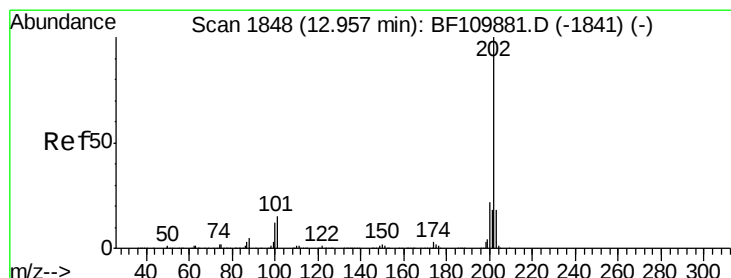
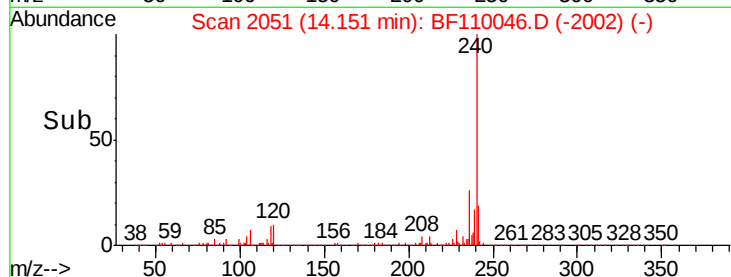
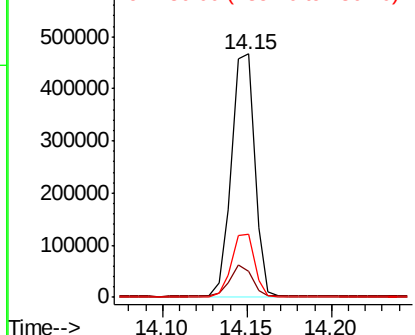


Abundance

Ion 240.00 (239.70 to 240.70): E

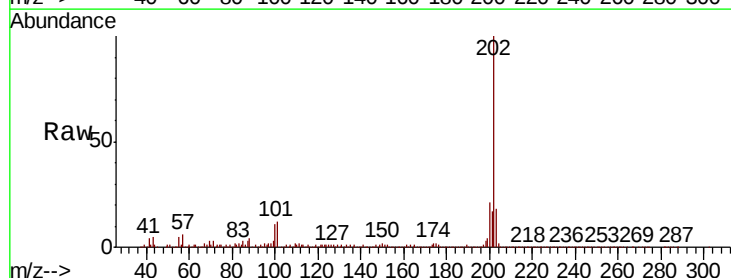
Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#78
Pyrene
Concen: 13.363 ng
RT: 12.95 min Scan# 1847
Delta R.T. -0.02 min
Lab File: BF110046.D
Acq: 22 Oct 2018 14:03

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.4	17.8	26.6
203	17.6	14.2	21.4

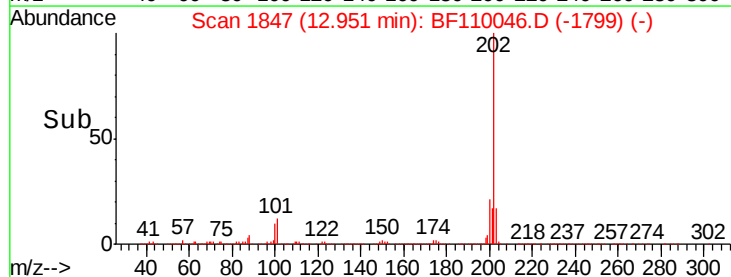
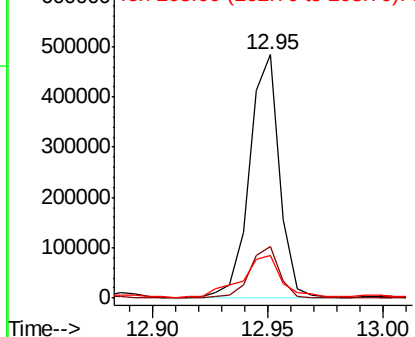


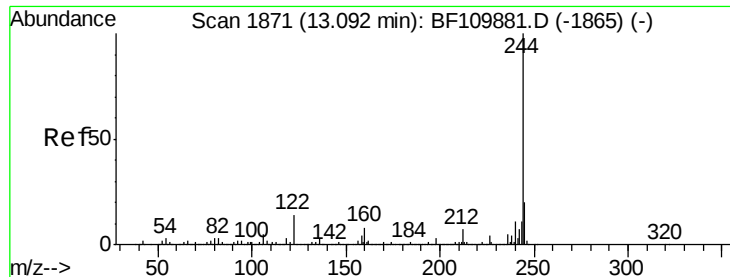
Abundance

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





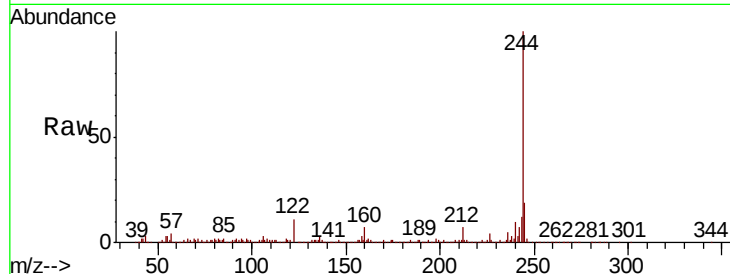
#79
 Terphenyl-d14
 Concen: 29.102 ng
 RT: 13.09 min Scan# 1870
 Delta R.T. -0.02 min
 Lab File: BF110046.D
 Acq: 22 Oct 2018 14:03

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

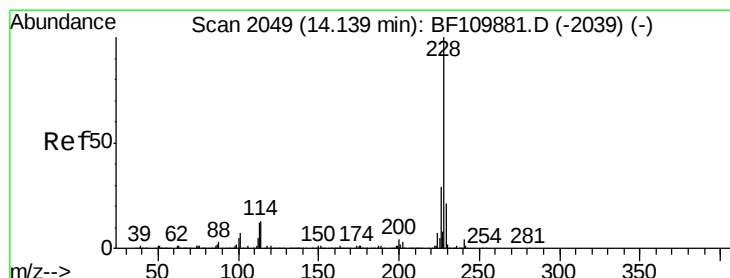
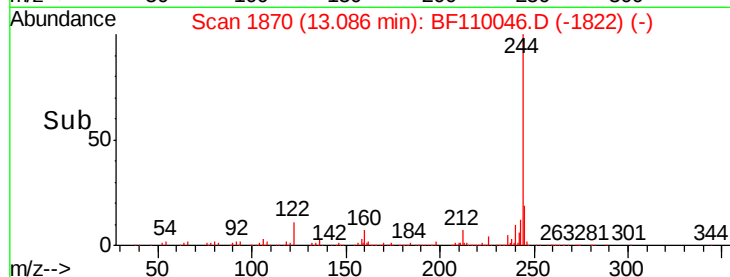
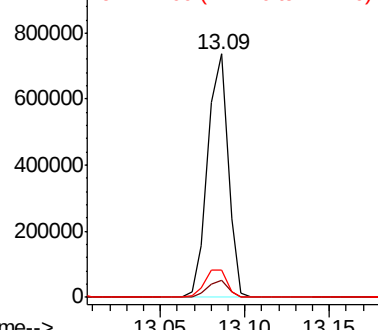
Tot Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.8	8.8
122	11.2	8.7	13.1

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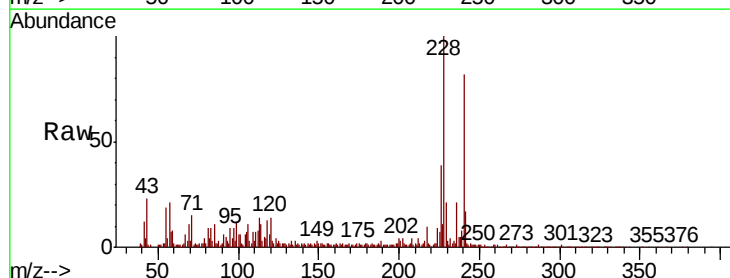


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E

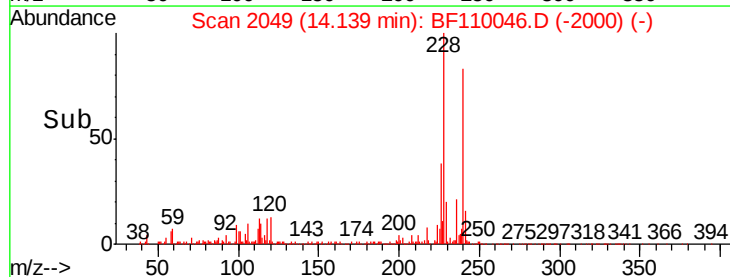
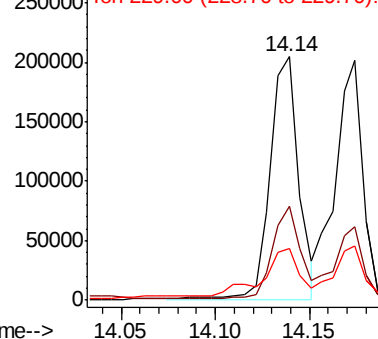


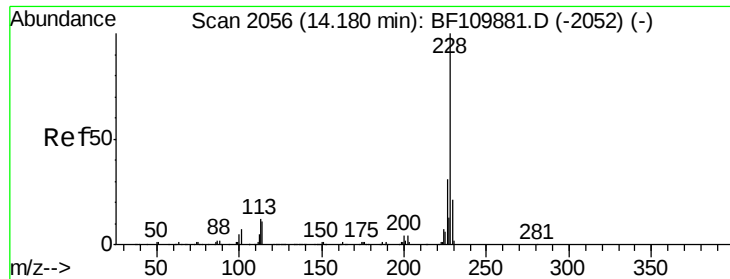
#81
 Benzo(a)anthracene
 Concen: 8.160 ng m
 RT: 14.14 min Scan# 2049
 Delta R.T. -0.01 min
 Lab File: BF110046.D
 Acq: 22 Oct 2018 14:03

Tgt Ion	Ratio	Lower	Upper
228	100		
226	38.6	22.1	33.1#
229	21.1	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





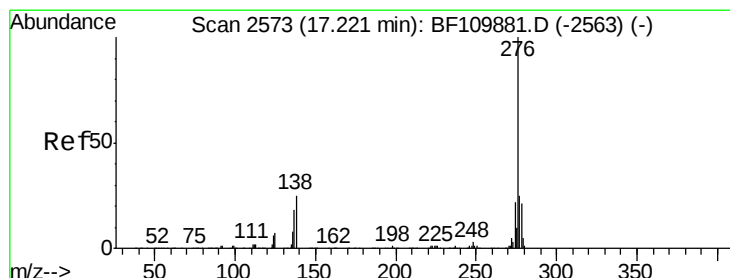
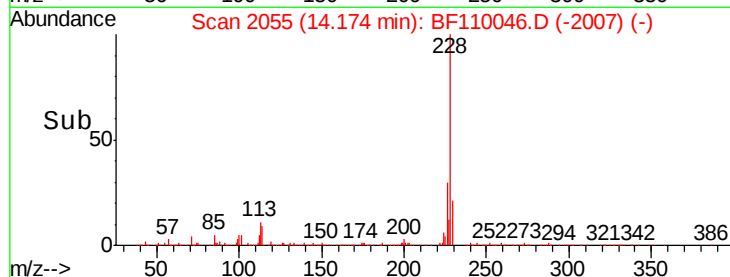
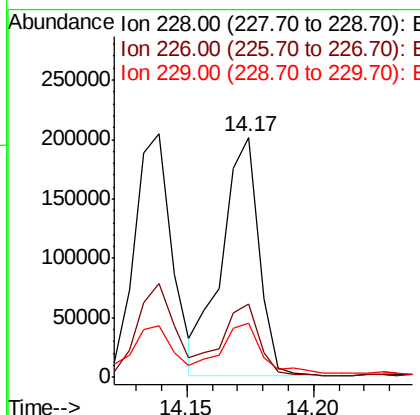
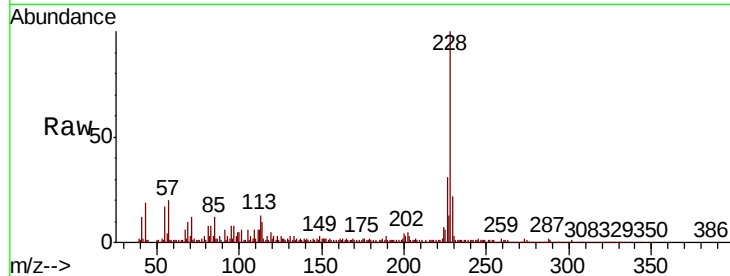
#83
Chrysene
Concen: 8.187 ng
RT: 14.17 min Scan# 2055
Delta R.T. -0.02 min
Lab File: BF110046.D
Acq: 22 Oct 2018 14:03

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

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.5	24.7	37.1
229	22.4	15.9	23.9

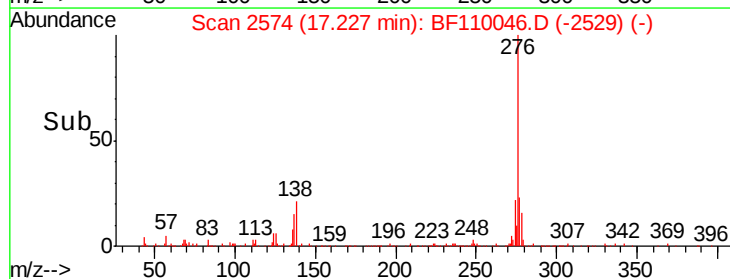
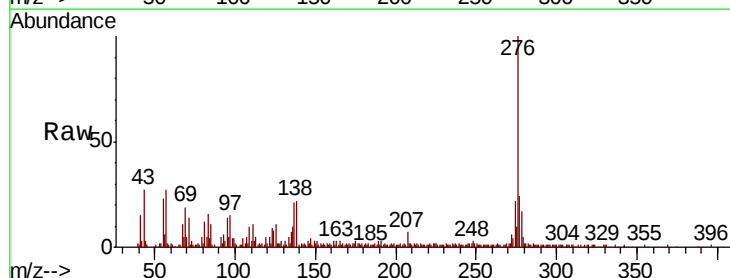
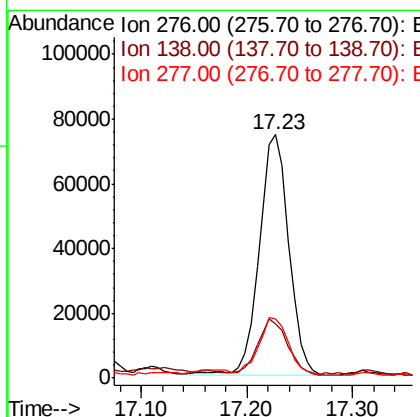
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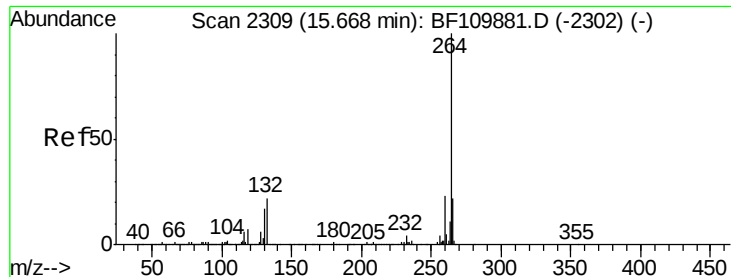
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#86
Indeno(1,2,3-cd)pyrene
Concen: 7.224 ng
RT: 17.23 min Scan# 2574
Delta R.T. -0.04 min
Lab File: BF110046.D
Acq: 22 Oct 2018 14:03

Tgt Ion	Ratio	Lower	Upper
276	100		
138	23.2	18.5	27.7
277	24.1	20.0	30.0





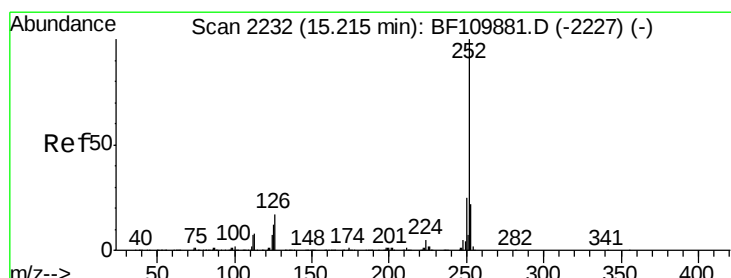
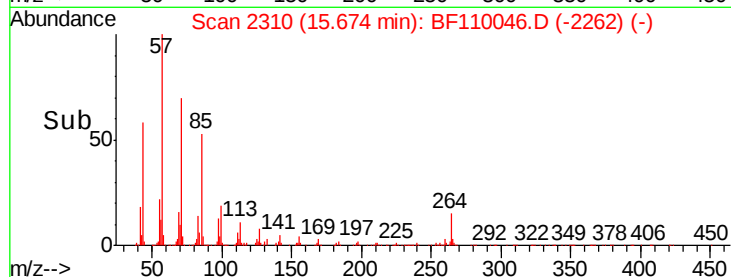
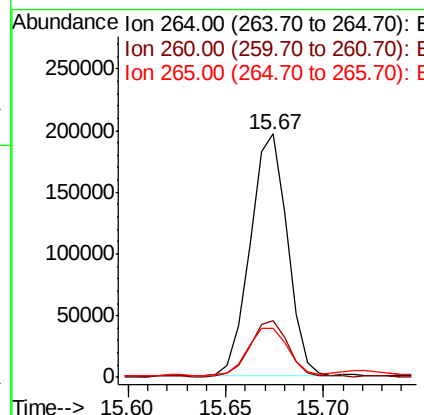
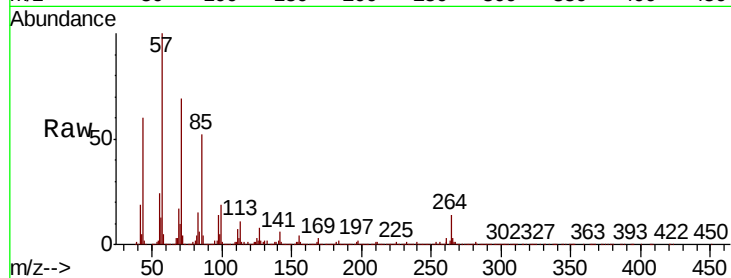
#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 15.67 min Scan# 2310
 Delta R.T. -0.02 min
 Lab File: BF110046.D
 Acq: 22 Oct 2018 14:03

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

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.2	18.7	28.1
265	20.3	16.7	25.1

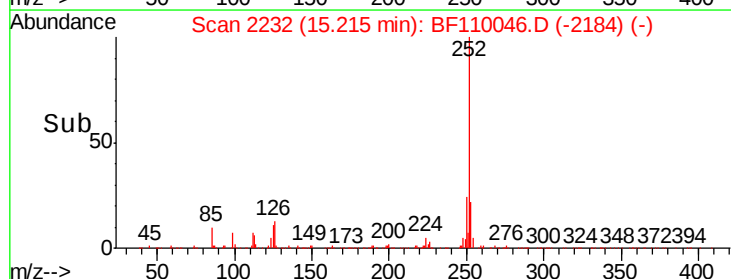
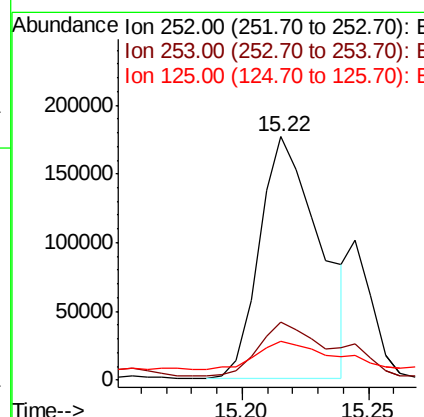
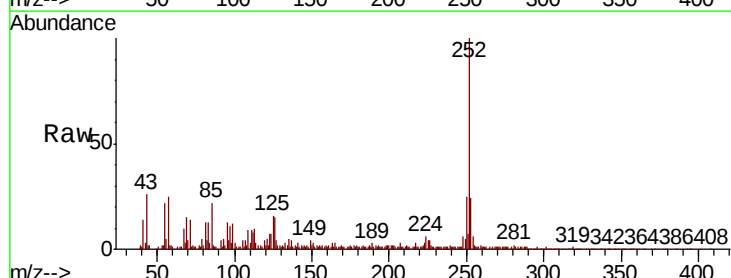
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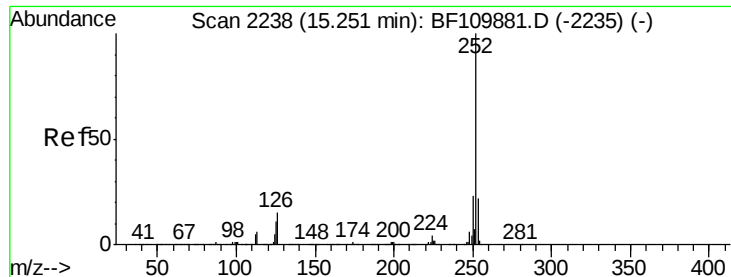
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#88
 Benzo(b)fluoranthene
 Concen: 19.456 ng m
 RT: 15.22 min Scan# 2232
 Delta R.T. -0.02 min
 Lab File: BF110046.D
 Acq: 22 Oct 2018 14:03

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.0	17.2	25.8
125	16.0	8.2	12.4#





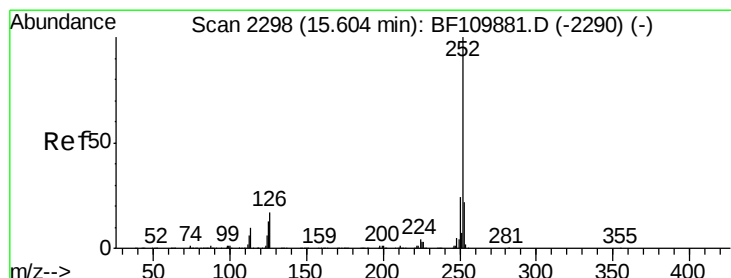
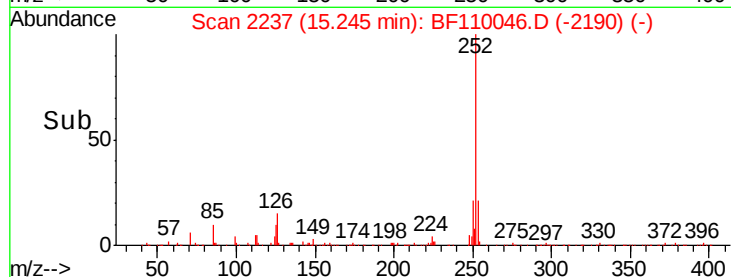
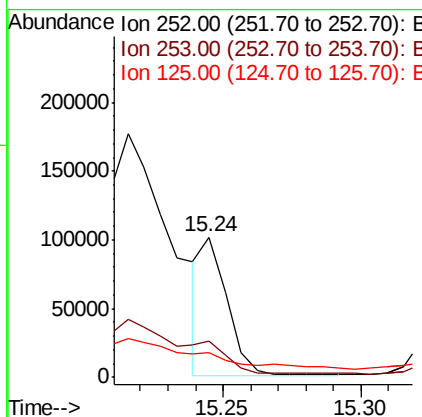
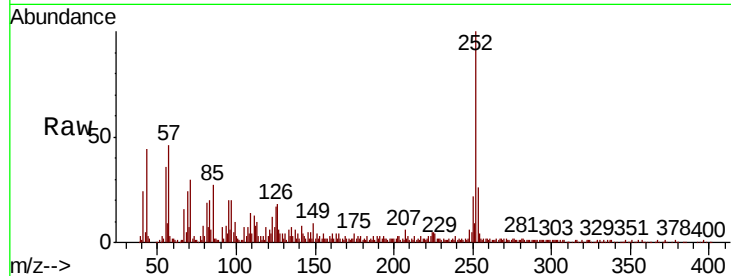
#89
Benzo(k)fluoranthene
Concen: 4.513 ng/mL
RT: 15.24 min Scan# 2237
Delta R.T. -0.02 min
Lab File: BF110046.D
Acq: 22 Oct 2018 14:03

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

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.8	17.2	25.8#
125	17.3	7.4	11.0#

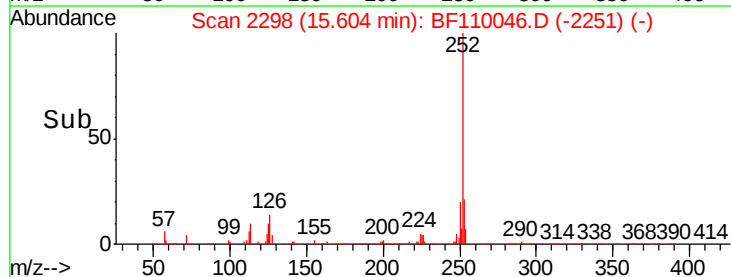
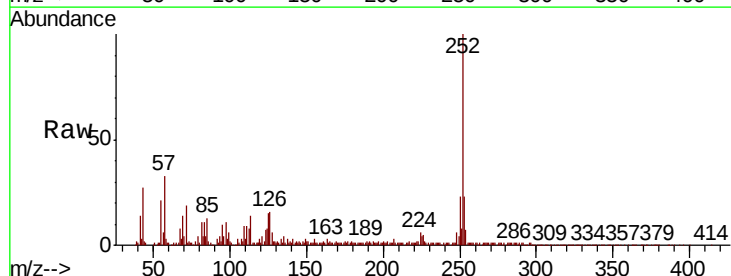
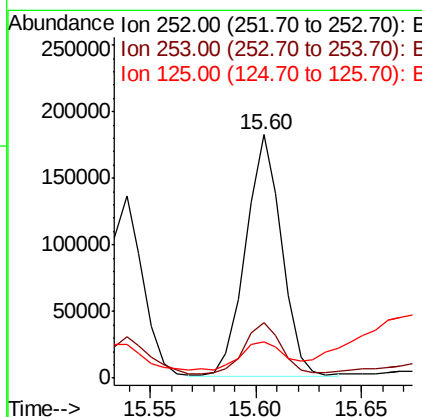
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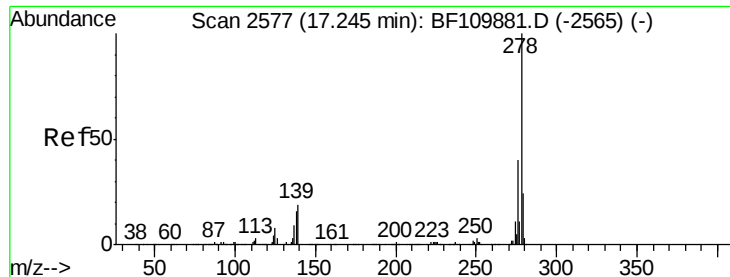
Sohil
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#90
Benzo(a)pyrene
Concen: 15.606 ng/mL
RT: 15.60 min Scan# 2298
Delta R.T. -0.02 min
Lab File: BF110046.D
Acq: 22 Oct 2018 14:03

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	18.2	27.4
125	15.0	9.0	13.6#





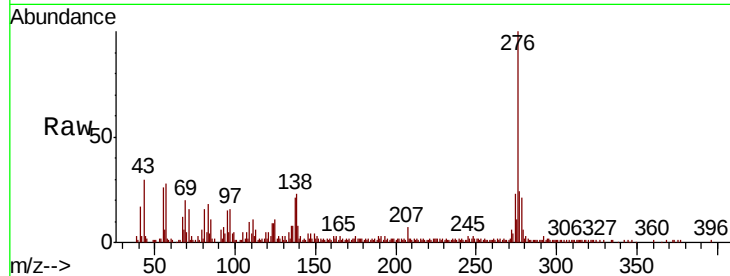
#91
Dibenzo(a,h)anthracene
Concen: 2.466 ng
RT: 17.23 min Scan# 2575
Delta R.T. -0.05 min
Lab File: BF110046.D
Acq: 22 Oct 2018 14:03

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

Tot Ion	Ratio	Lower	Upper
278	100		
139	38.7	12.7	19.1#
279	29.6	19.0	28.4#

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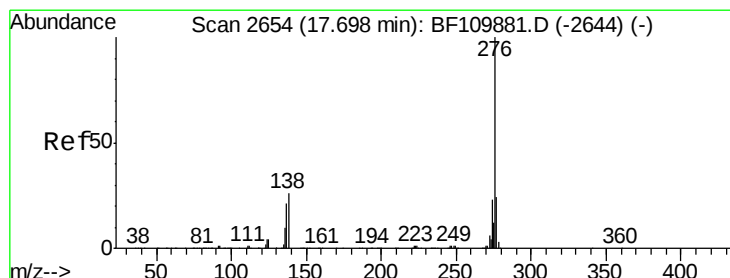
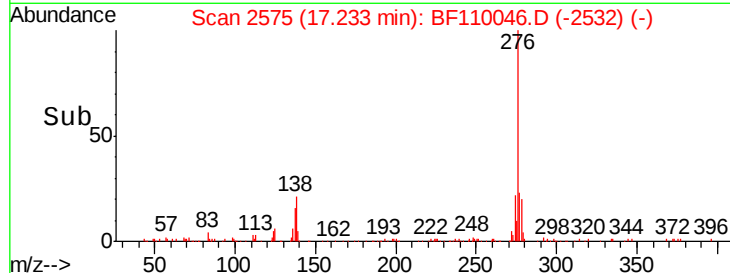
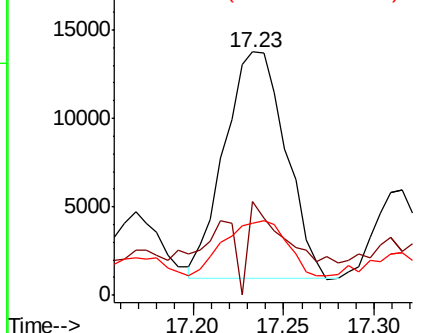


Abundance

Ion 278.00 (277.70 to 278.70): E

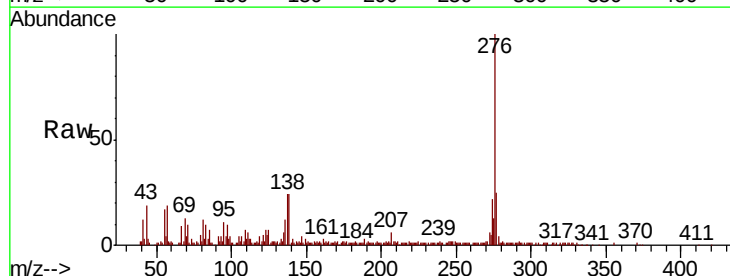
Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#92
Benzo(g,h,i)perylene
Concen: 13.680 ng
RT: 17.70 min Scan# 2655
Delta R.T. -0.04 min
Lab File: BF110046.D
Acq: 22 Oct 2018 14:03

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.5	18.8	28.2
138	23.7	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

