

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102418\
 Data File : BF110123.D
 Acq On : 24 Oct 2018 19:00
 Operator : JU/SJ
 Sample : J5198-25 2X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CL-01-102318-C

Manual Integrations
 APPROVED

Sohil
 10/25/2018 11:15:21 AM

Quant Time: Oct 25 04:24:28 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF102318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 23 15:06:18 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	145200	20.00	ng	-0.01
21) Naphthalene-d8	8.25	136	515789	20.00	ng	-0.02
39) Acenaphthene-d10	10.01	164	193092	20.00	ng	-0.02
64) Phenanthrene-d10	11.50	188	326671	20.00	ng	-0.01
76) Chrysene-d12	14.15	240	291360	20.00	ng	-0.01
87) Perylene-d12	15.68	264	200289	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.58	112	458841	51.46	ng	-0.02
7) Phenol-d6	6.58	99	551877	48.39	ng	-0.02
23) Nitrobenzene-d5	7.53	82	305951	35.18	ng	-0.02
42) 2,4,6-Tribromophenol	10.80	330	87011	45.49	ng	-0.02
45) 2-Fluorobiphenyl	9.32	172	523963	42.61	ng	-0.02
79) Terphenyl-d14	13.09	244	458314	32.71	ng	-0.02
Target Compounds						
10) Phenol	6.59	94	31316	2.569	ng	Qvalue # 72
49) Acenaphthylene	9.87	152	54702	2.957	ng	98
50) Dimethylphthalate	9.72	163	52785	3.703	ng	100
58) Fluorene	10.56	166	32047	2.513	ng	98
71) Phenanthrene	11.53	178	343263	20.082	ng	99
72) Anthracene	11.58	178	87903	5.131	ng	97
75) Fluoranthene	12.72	202	401252	23.130	ng	99
78) Pyrene	12.95	202	415221	19.878	ng	99
81) Benzo(a)anthracene	14.14	228	199153	11.526	ng	94
83) Chrysene	14.18	228	196425	11.969	ng	99
86) Indeno(1,2,3-cd)pyrene	17.24	276	68527	5.033	ng	98
88) Benzo(b)fluoranthene	15.23	252	181161m	15.663	ng	
89) Benzo(k)fluoranthene	15.25	252	53802m	4.732	ng	
90) Benzo(a)pyrene	15.62	252	117461	11.037	ng	# 97
91) Dibenzo(a,h)anthracene	17.26	278	18928	2.061	ng	# 67
92) Benzo(g,h,i)perylene	17.72	276	61728	6.822	ng	# 91

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

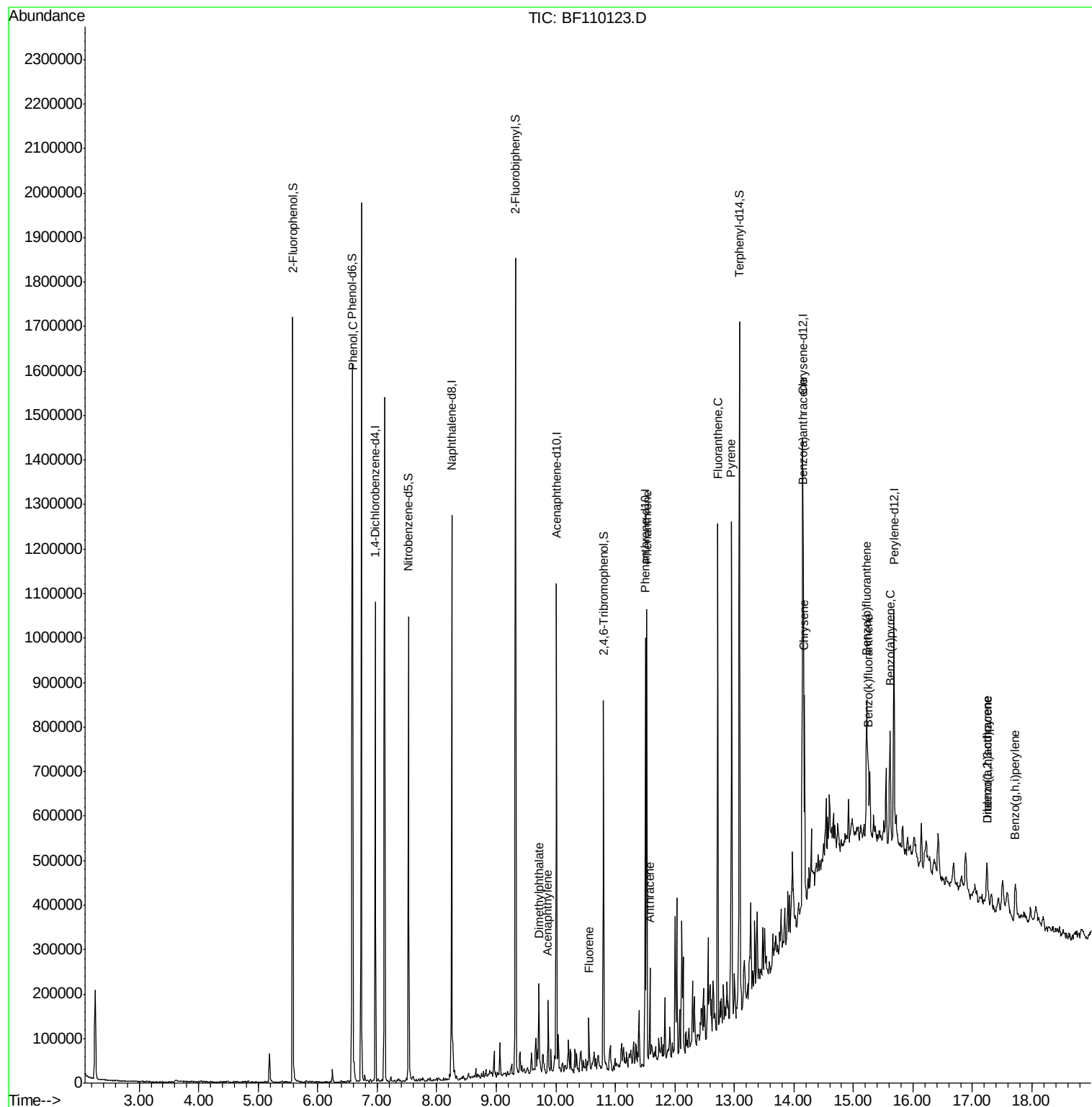
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102418\
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ALS Vial : 22 Sample Multiplier: 1

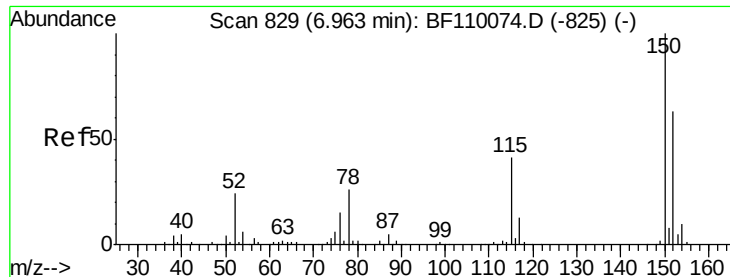
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF102318.M
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#1

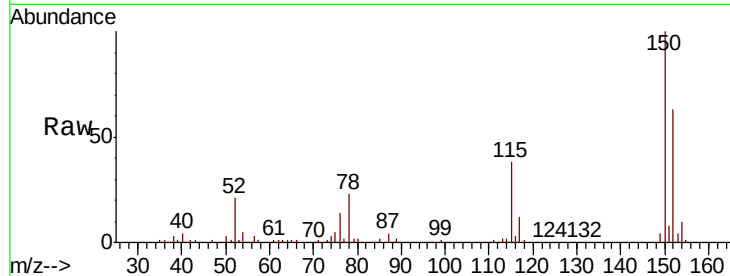
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 830
Delta R.T. -0.01 min
Lab File: BF110123.D
Acq: 24 Oct 2018 19:00

Instrument :
BNA_F
ClientSampleId :
CL-01-102318-C

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.1	122.7	184.1
115	60.5	49.1	73.7

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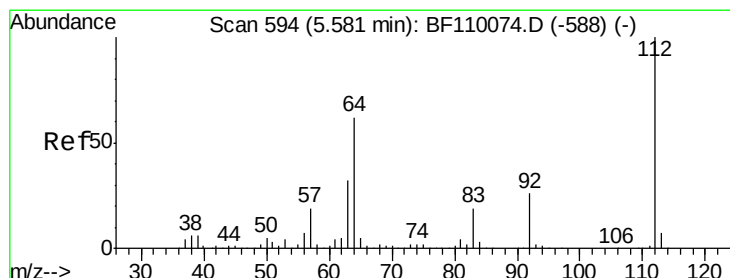
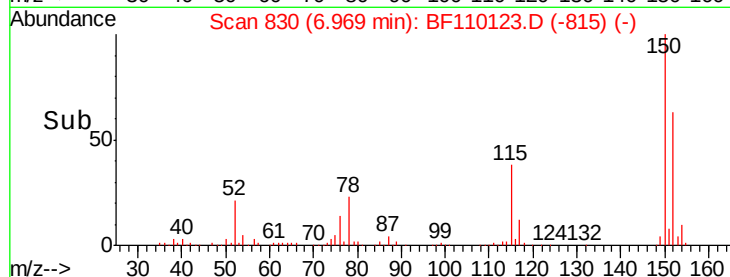
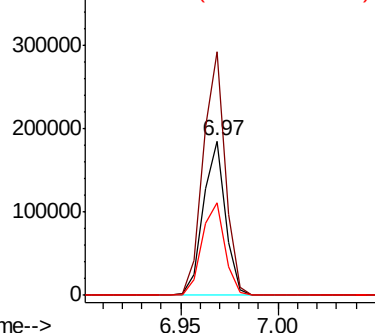


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

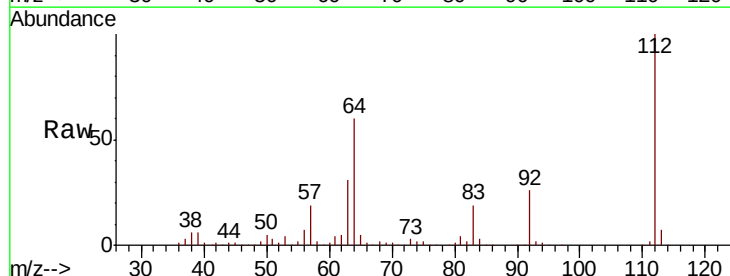
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 51.460 ng
RT: 5.58 min Scan# 594
Delta R.T. -0.02 min
Lab File: BF110123.D
Acq: 24 Oct 2018 19:00

Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.3	44.1	66.1
63	31.1	23.7	35.5

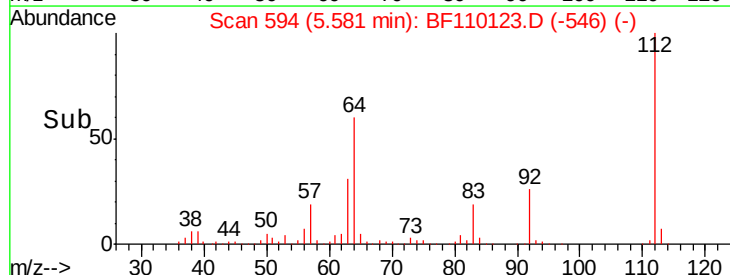
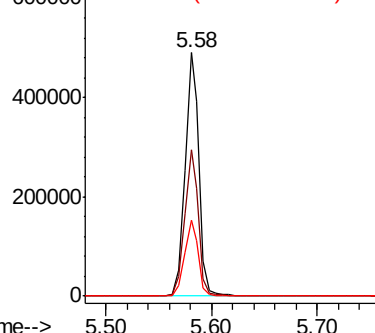


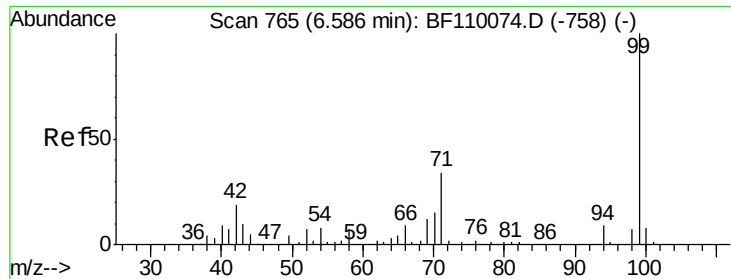
Abundance

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: 48.390 ng

RT: 6.58 min Scan# 764

Delta R.T. -0.02 min

Lab File: BF110123.D

Acq: 24 Oct 2018 19:00

Instrument :

BNA_F

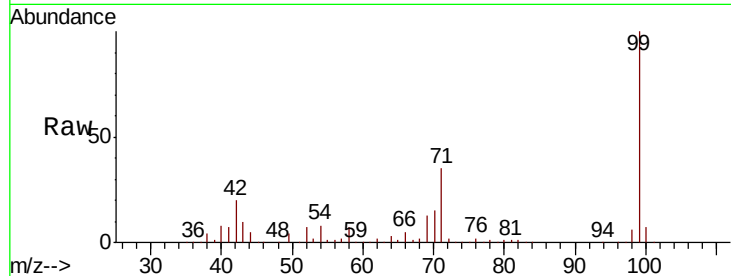
ClientSampleId :

CL-01-102318-C

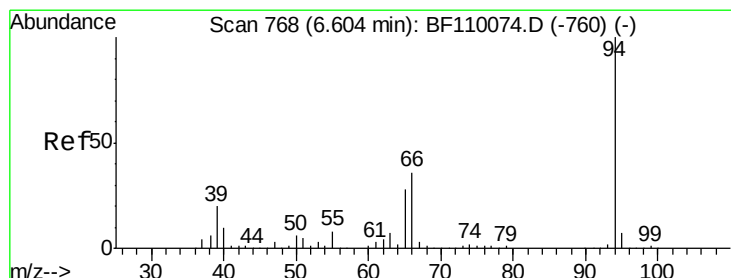
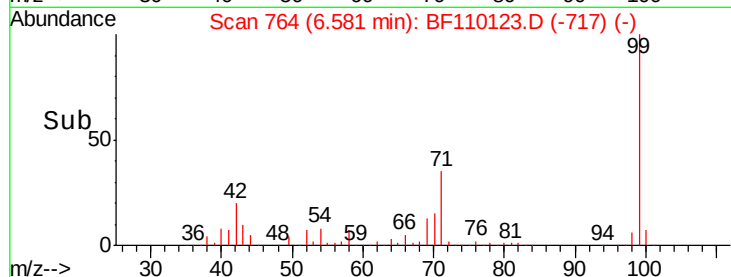
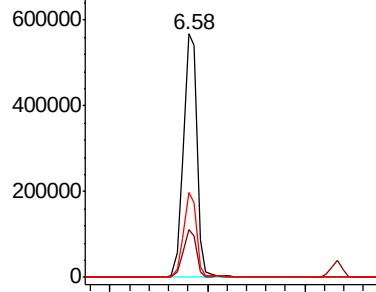
Tot Ion:	99	Resp:	551877
Ion Ratio	Lower	Upper	
99	100		
42	19.6	15.8	23.6
71	35.0	28.0	42.0

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Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#10

Phenol

Concen: 2.569 ng

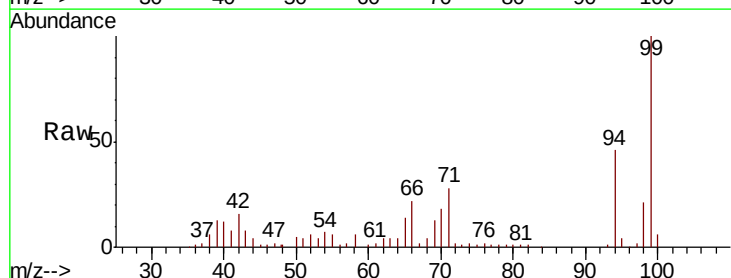
RT: 6.59 min Scan# 766

Delta R.T. -0.02 min

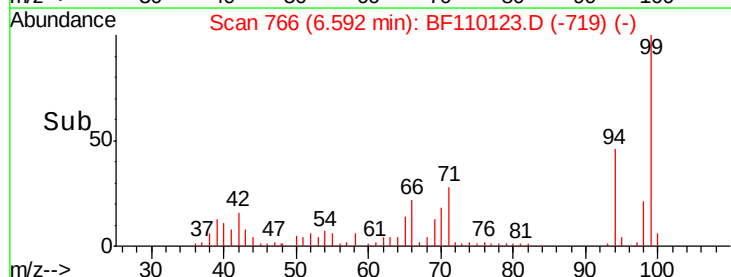
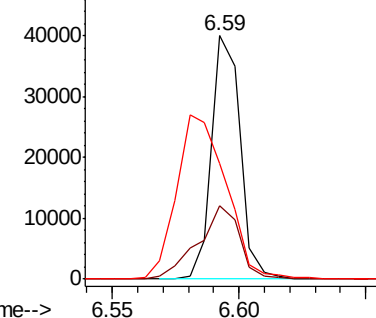
Lab File: BF110123.D

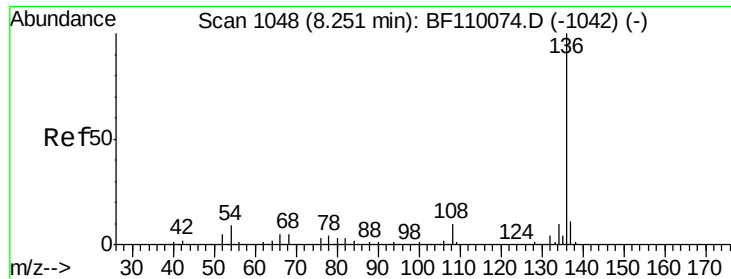
Acq: 24 Oct 2018 19:00

Tgt Ion:	94	Resp:	31316
Ion Ratio	Lower	Upper	
94	100		
65	30.2	25.3	65.3
66	47.5	54.5	94.5#



Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1





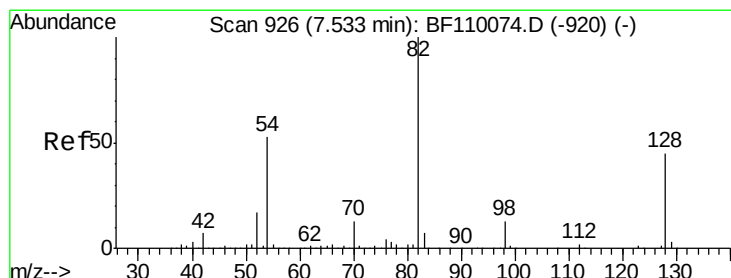
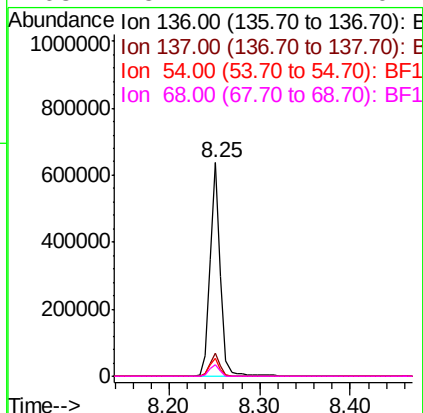
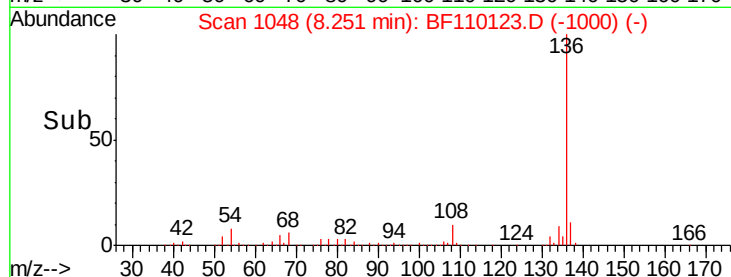
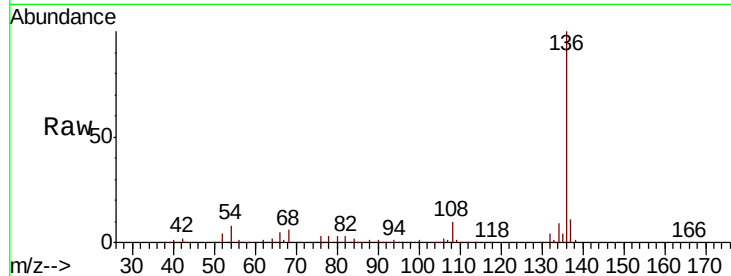
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.25 min Scan# 1048
Delta R.T. -0.02 min
Lab File: BF110123.D
Acq: 24 Oct 2018 19:00

Instrument :
BNA_F
ClientSampleID :
CL-01-102318-C

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	11.1	8.8	13.2	
54	8.3	5.4	8.2	
68	5.7	4.2	6.2	

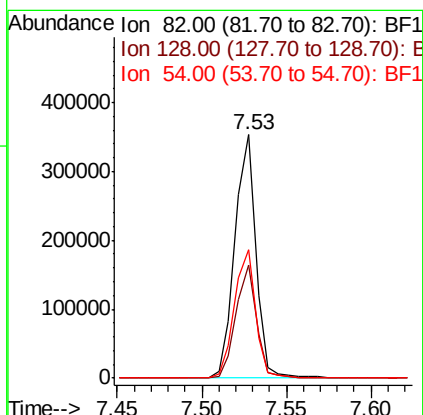
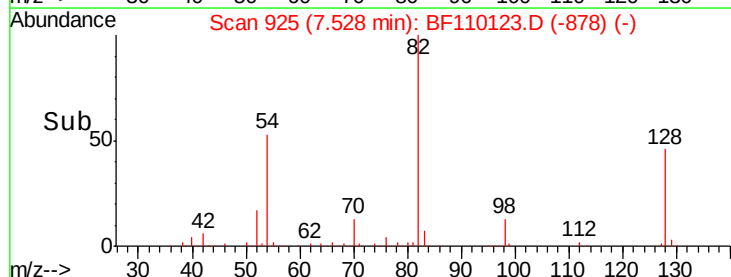
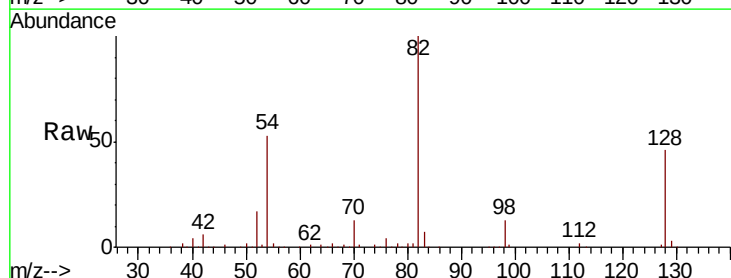
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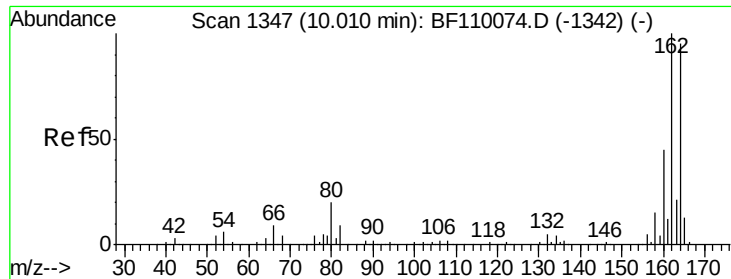
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#23
Nitrobenzene-d5
Concen: 35.183 ng
RT: 7.53 min Scan# 925
Delta R.T. -0.02 min
Lab File: BF110123.D
Acq: 24 Oct 2018 19:00

Tgt Ion	Ratio	Resp	Lower	Upper
82	100			
128	46.3	34.2	51.2	
54	52.8	38.6	58.0	





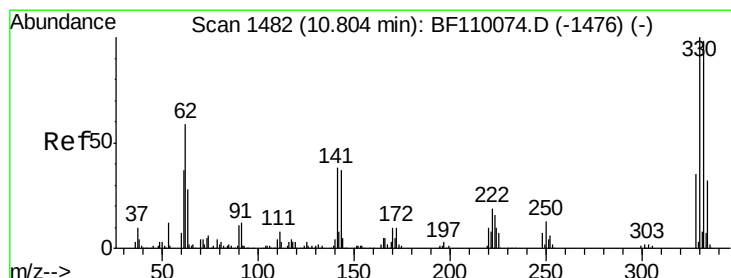
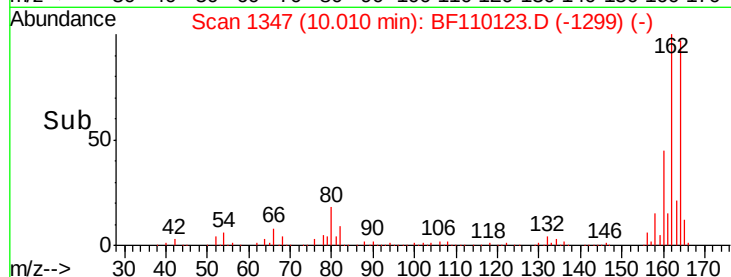
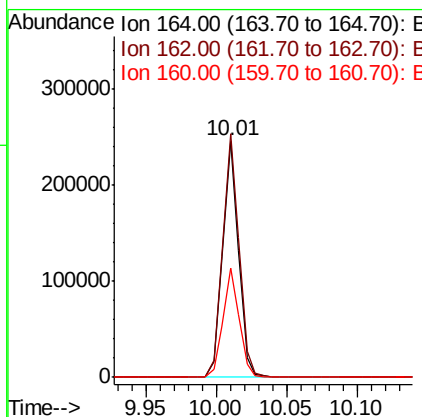
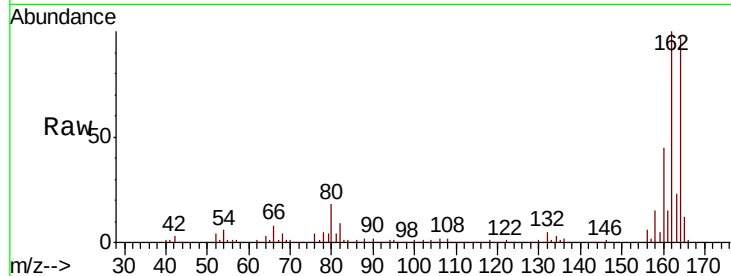
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.01 min Scan# 1347
Delta R.T. -0.02 min
Lab File: BF110123.D
Acq: 24 Oct 2018 19:00

Instrument :
BNA_F
ClientSampleId :
CL-01-102318-C

Tot Ion	Ratio	Lower	Upper
164	100		
162	103.1	83.0	124.6
160	46.1	37.0	55.6

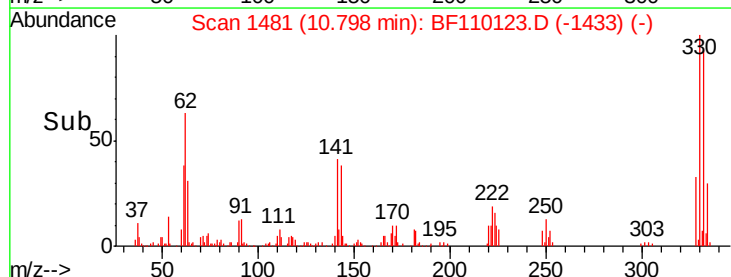
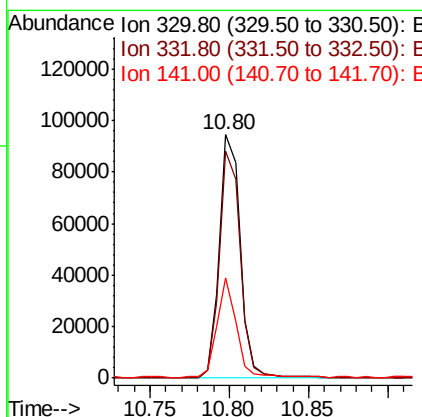
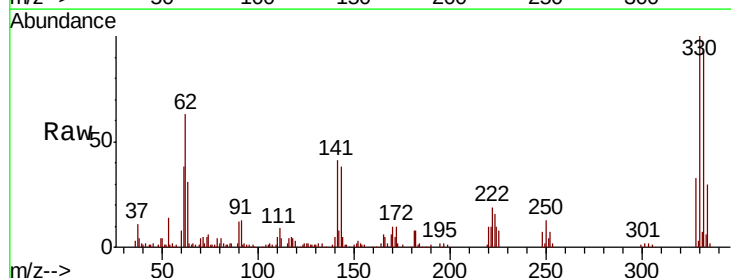
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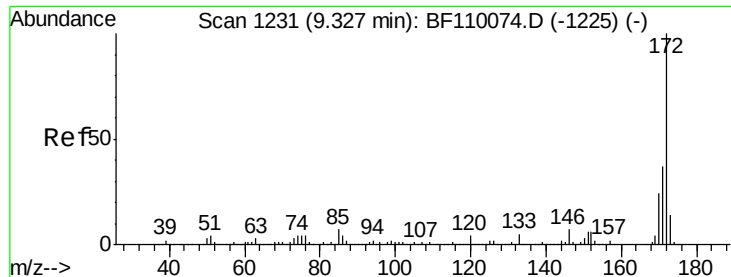
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#42
2,4,6-Tribromophenol
Concen: 45.491 ng
RT: 10.80 min Scan# 1481
Delta R.T. -0.02 min
Lab File: BF110123.D
Acq: 24 Oct 2018 19:00

Tgt Ion	Ratio	Lower	Upper
330	100		
332	93.5	77.1	115.7
141	36.9	27.0	40.4





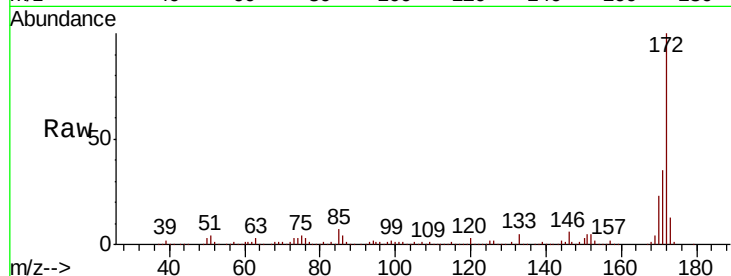
#45
2-Fluorobiphenyl
Concen: 42.610 ng
RT: 9.32 min Scan# 1230
Delta R.T. -0.02 min
Lab File: BF110123.D
Acq: 24 Oct 2018 19:00

Instrument :
BNA_F
ClientSampleId :
CL-01-102318-C

Tot Ion	Ratio	Lower	Upper
172	100		
171	34.7	28.6	43.0
170	22.6	19.7	29.5

Manual Integrations
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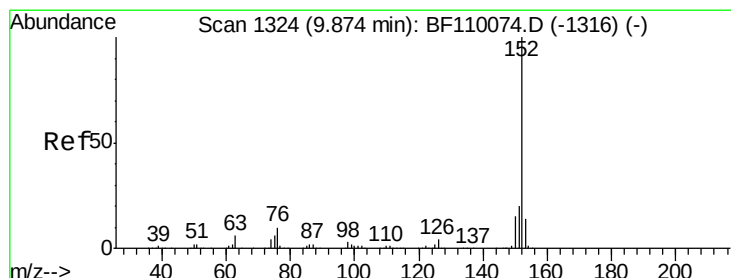
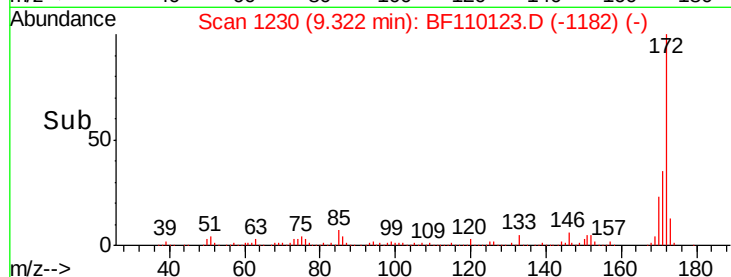
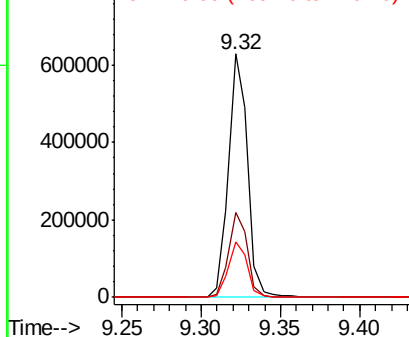


Abundance

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: 2.957 ng
RT: 9.87 min Scan# 1323
Delta R.T. -0.02 min
Lab File: BF110123.D
Acq: 24 Oct 2018 19:00

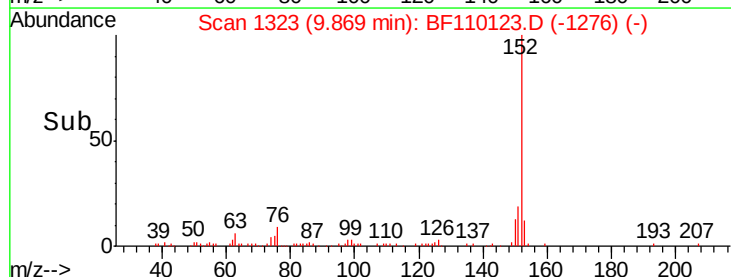
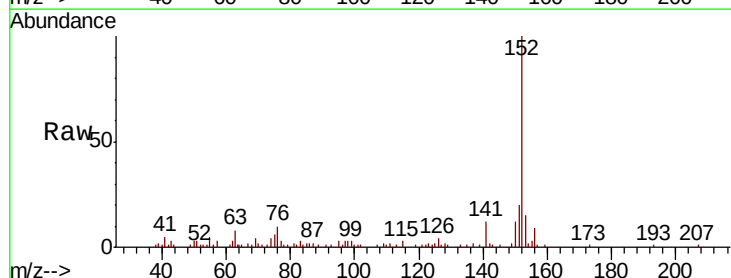
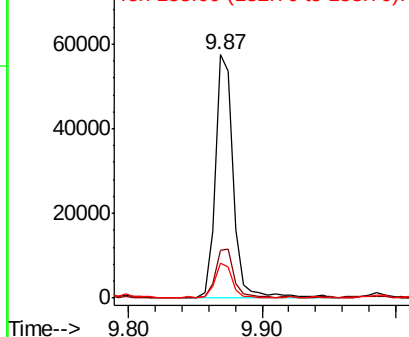
Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.7	15.8	23.8
153	14.6	10.4	15.6

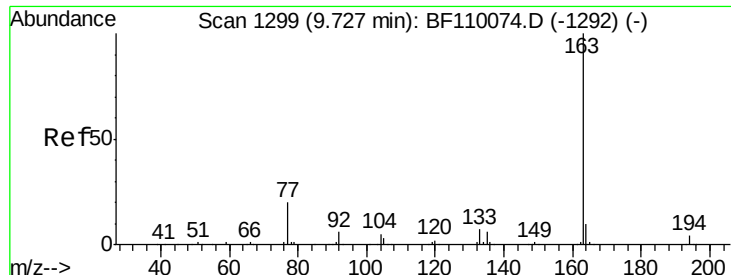
Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





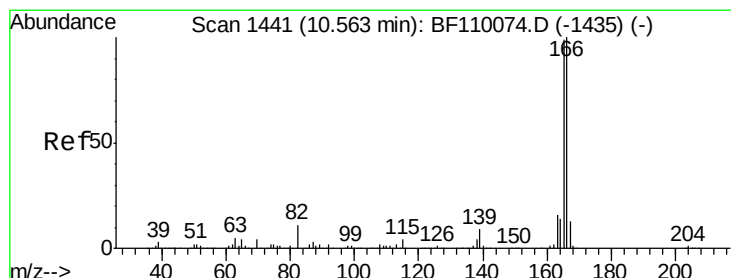
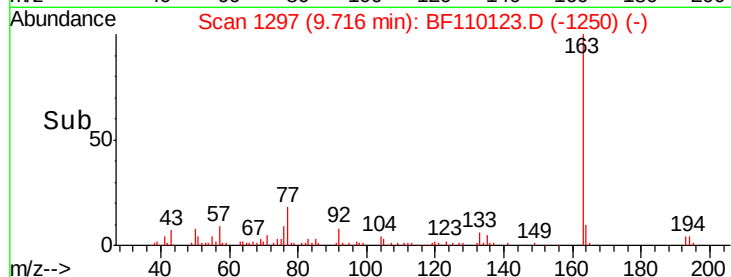
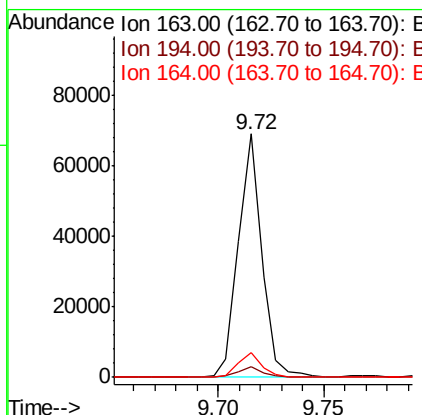
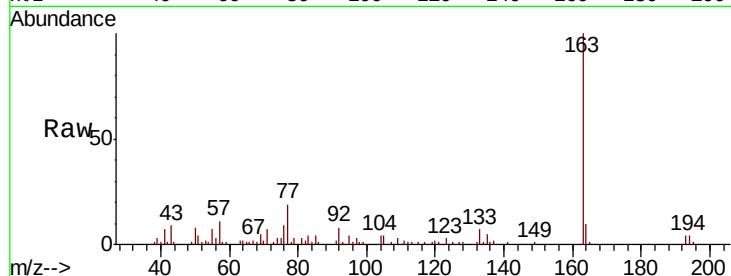
#50
Dimethylphthalate
Concen: 3.703 ng
RT: 9.72 min Scan# 1297
Delta R.T. -0.02 min
Lab File: BF110123.D
Acq: 24 Oct 2018 19:00

Instrument :
BNA_F
ClientSampleId :
CL-01-102318-C

Tot Ion:	163	Resp:	52785
Ion Ratio	Lower	Upper	
163	100		
194	4.2	3.2	4.8
164	10.0	8.1	12.1

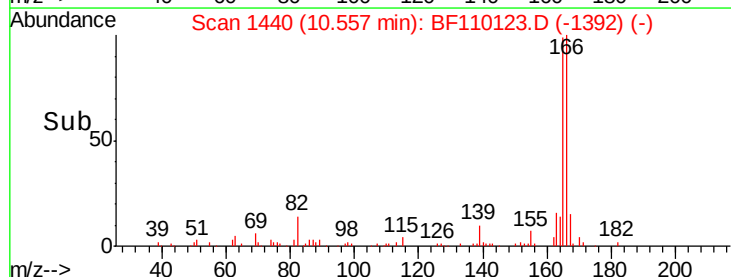
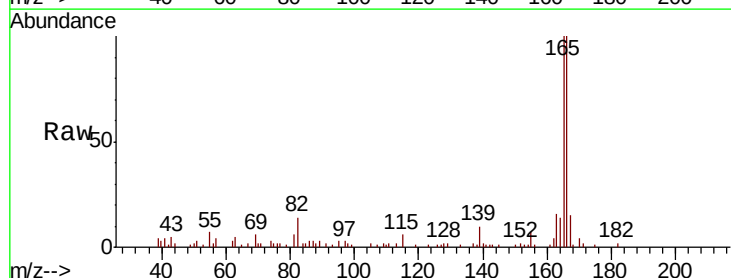
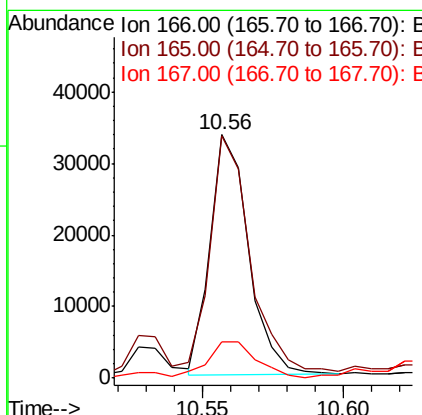
Manual Integrations
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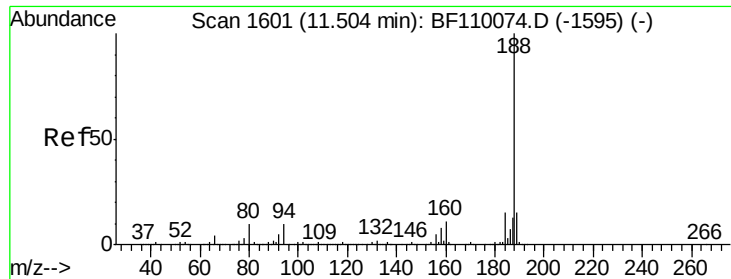
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#58
Fluorene
Concen: 2.513 ng
RT: 10.56 min Scan# 1440
Delta R.T. -0.02 min
Lab File: BF110123.D
Acq: 24 Oct 2018 19:00

Tgt Ion:	166	Resp:	32047
Ion Ratio	Lower	Upper	
166	100		
165	99.5	78.6	117.8
167	15.0	10.8	16.2





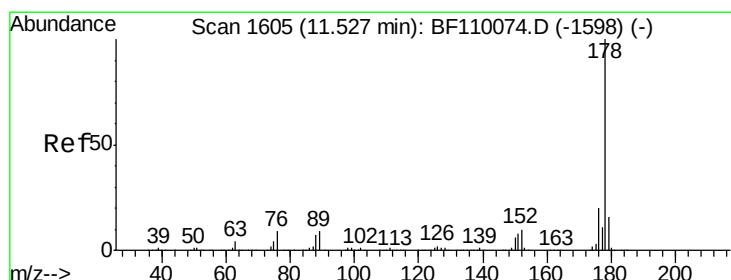
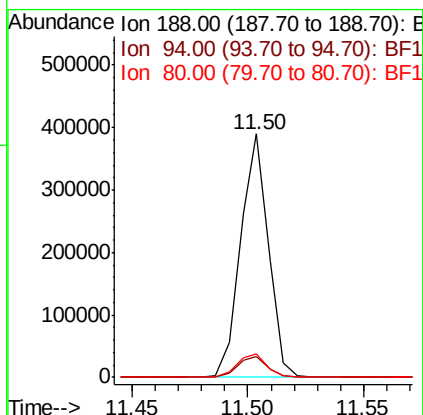
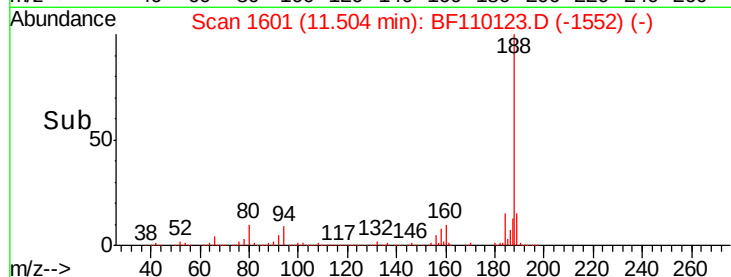
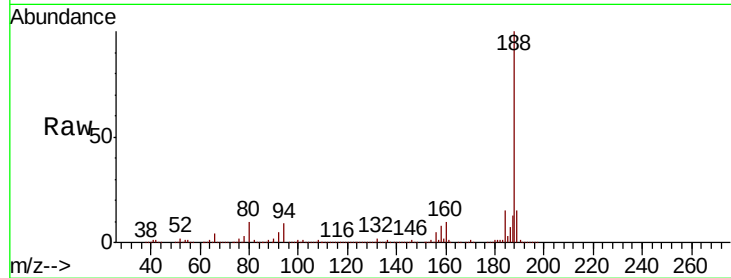
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.50 min Scan# 1601
Delta R.T. -0.01 min
Lab File: BF110123.D
Acq: 24 Oct 2018 19:00

Instrument :
BNA_F
ClientSampleId :
CL-01-102318-C

Tot Ion	188	Resp	326671
Ion Ratio	Lower	Upper	
188	100		
94	8.8	7.2	10.8
80	9.6	7.9	11.9

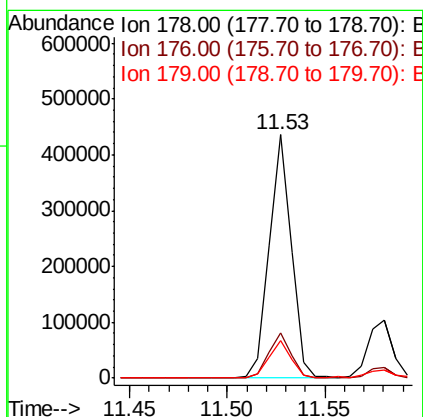
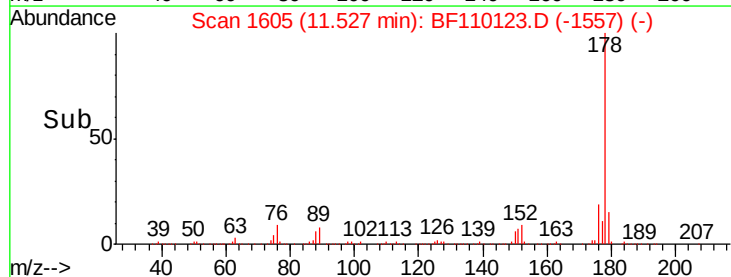
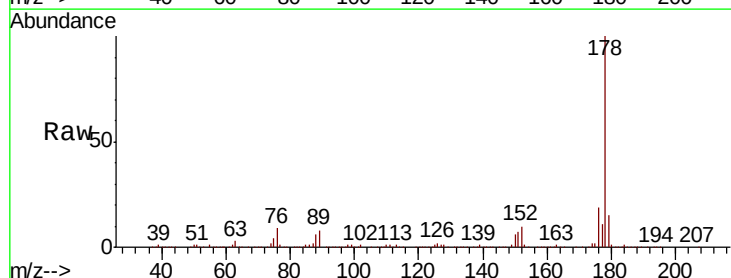
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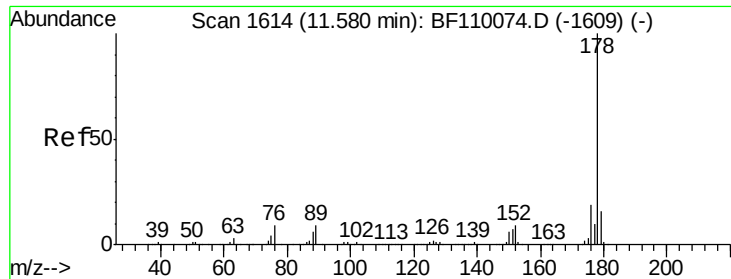
Sohil
10/25/2018 11:15:21 AM



#71
Phenanthrene
Concen: 20.082 ng
RT: 11.53 min Scan# 1605
Delta R.T. -0.02 min
Lab File: BF110123.D
Acq: 24 Oct 2018 19:00

Tgt Ion	178	Resp	343263
Ion Ratio	Lower	Upper	
178	100		
176	18.6	15.5	23.3
179	15.2	12.5	18.7





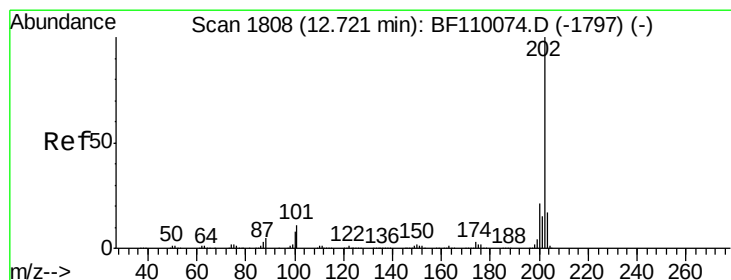
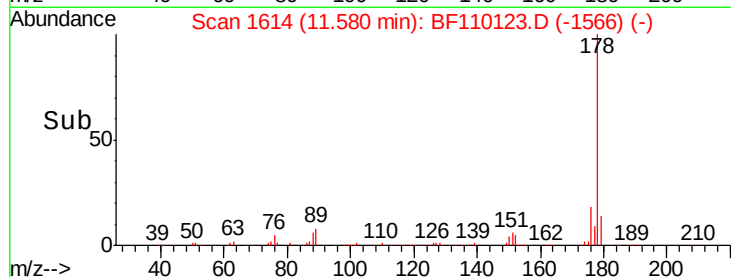
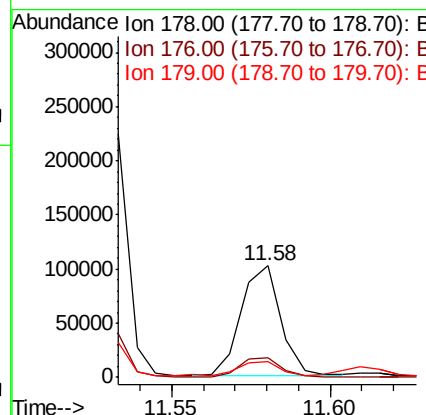
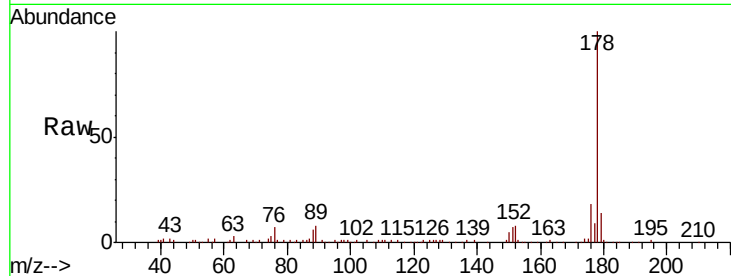
#72
 Anthracene
 Concen: 5.131 ng
 RT: 11.58 min Scan# 1614
 Delta R.T. -0.02 min
 Lab File: BF110123.D
 Acq: 24 Oct 2018 19:00

Instrument :
 BNA_F
 ClientSampleId :
 CL-01-102318-C

Tot Ion	Ratio	Lower	Upper
178	100		
176	17.8	15.4	23.2
179	14.1	12.6	18.8

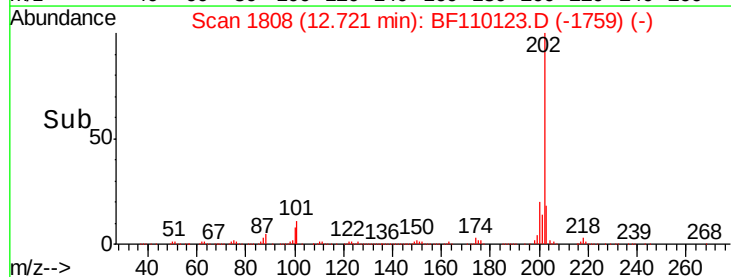
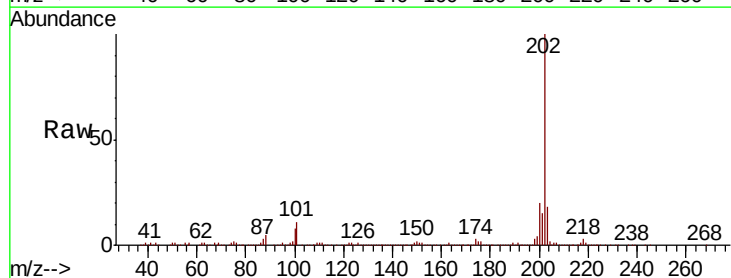
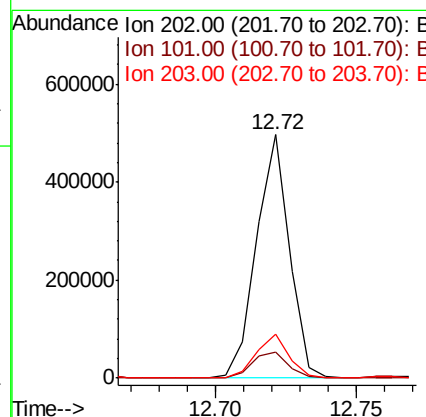
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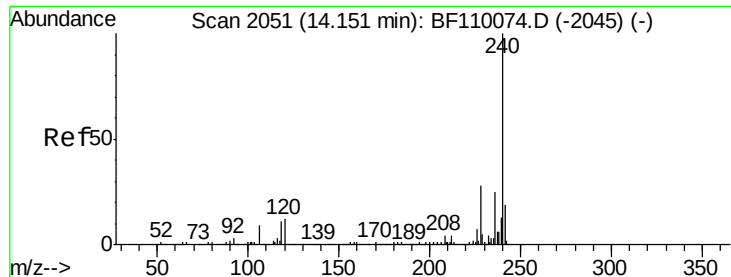
Sohil
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#75
 Fluoranthene
 Concen: 23.130 ng
 RT: 12.72 min Scan# 1808
 Delta R.T. -0.01 min
 Lab File: BF110123.D
 Acq: 24 Oct 2018 19:00

Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.9	0.0	31.4
203	18.0	0.0	37.7





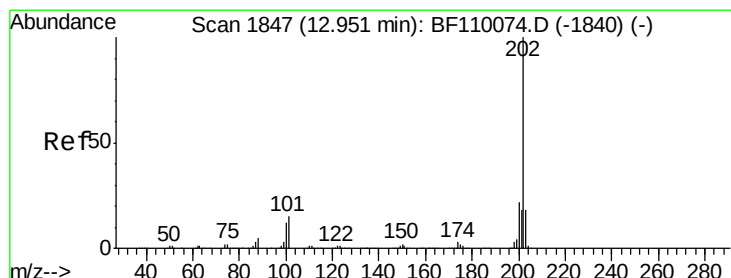
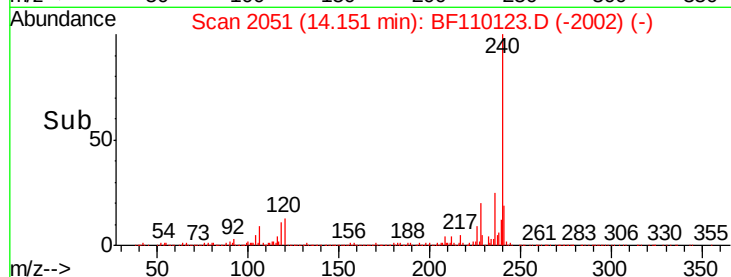
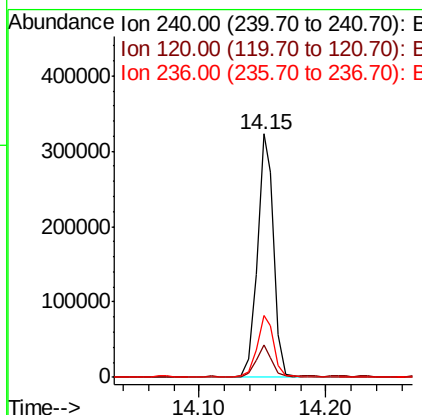
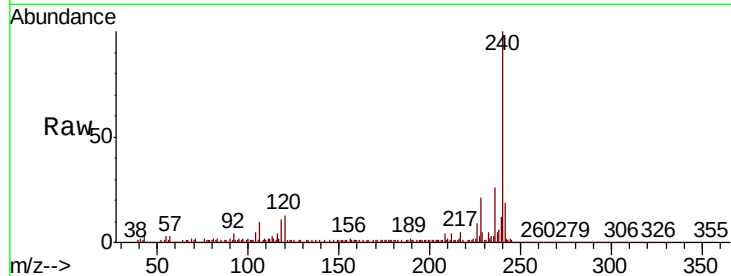
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.15 min Scan# 2051
Delta R.T. -0.01 min
Lab File: BF110123.D
Acq: 24 Oct 2018 19:00

Instrument :
BNA_F
ClientSampleId :
CL-01-102318-C

Tot Ion	Ratio	Lower	Upper
240	100		
120	13.2	8.3	12.5#
236	25.6	21.2	31.8

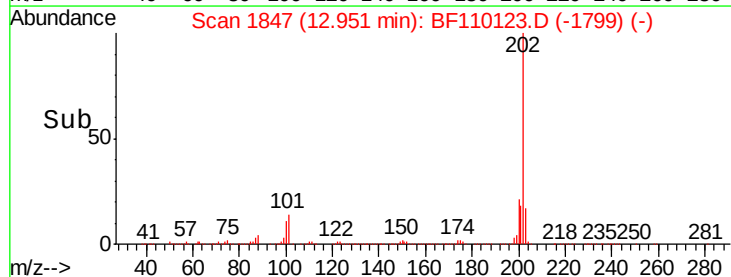
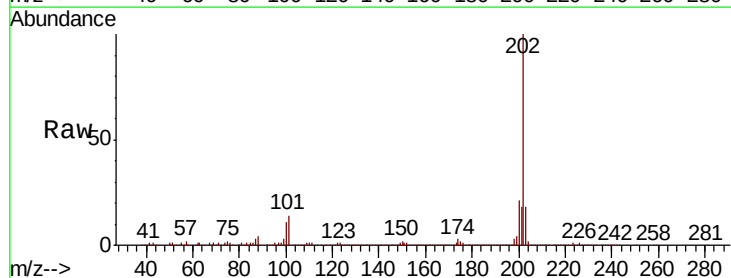
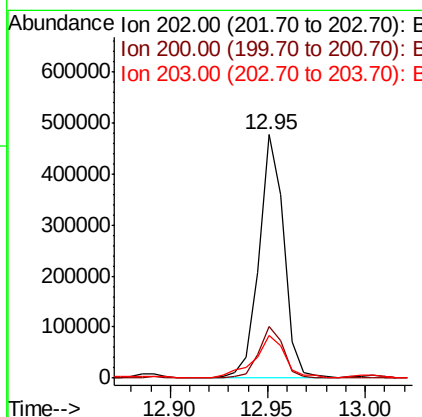
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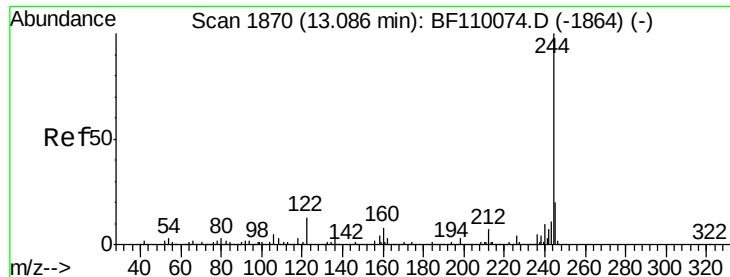
Sohil
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#78
Pyrene
Concen: 19.878 ng
RT: 12.95 min Scan# 1847
Delta R.T. -0.02 min
Lab File: BF110123.D
Acq: 24 Oct 2018 19:00

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.3	17.8	26.6
203	17.6	14.2	21.4





#79

Terphenyl-d14

Concen: 32.714 ng

RT: 13.09 min Scan# 1870

Delta R.T. -0.02 min

Lab File: BF110123.D

Acq: 24 Oct 2018 19:00

Instrument :

BNA_F

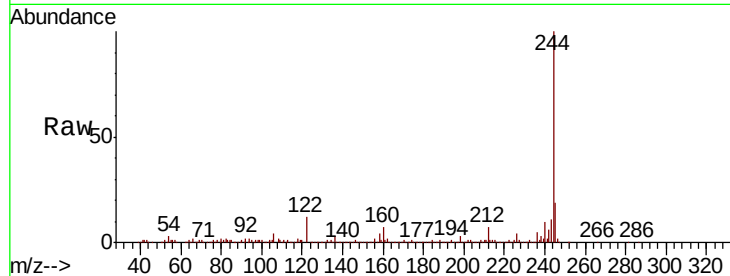
ClientSampleId :

CL-01-102318-C

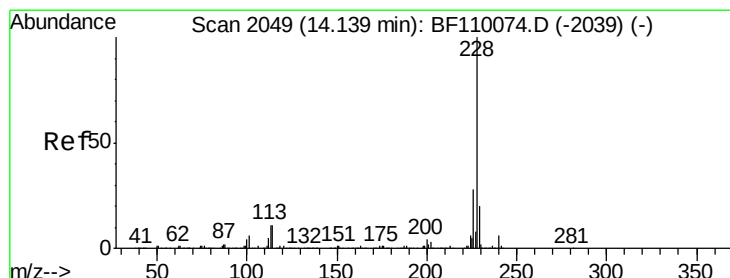
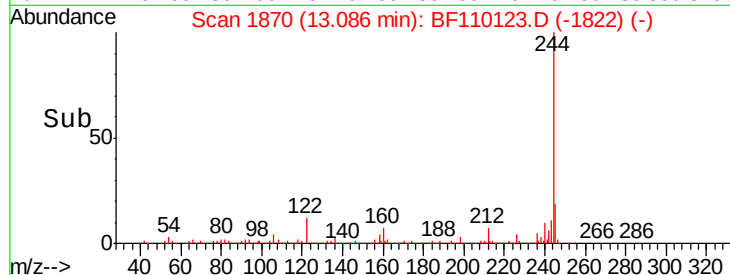
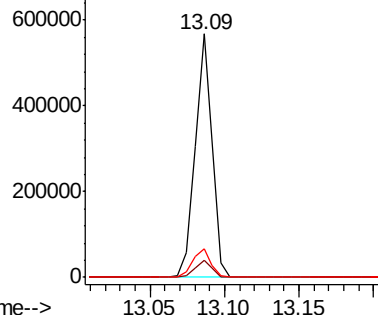
Tot Ion:	244	Resp:	458314
Ion Ratio		Lower	Upper
244	100		
212	7.2	5.8	8.8
122	11.7	8.7	13.1

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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: 11.526 ng

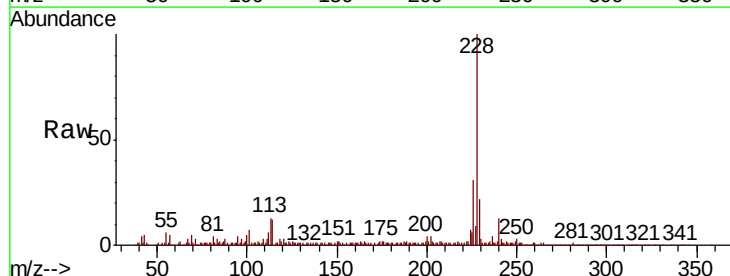
RT: 14.14 min Scan# 2049

Delta R.T. -0.01 min

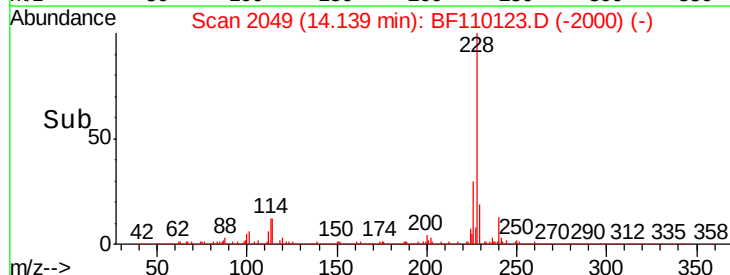
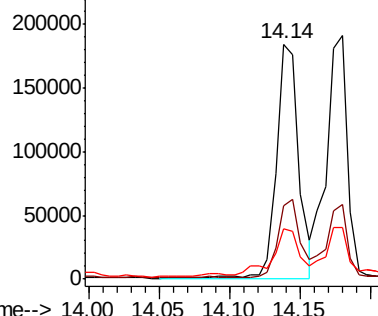
Lab File: BF110123.D

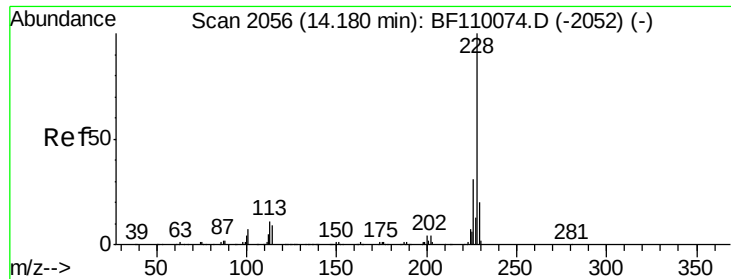
Acq: 24 Oct 2018 19:00

Tgt Ion:	228	Resp:	199153
Ion Ratio		Lower	Upper
228	100		
226	31.0	22.1	33.1
229	21.6	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





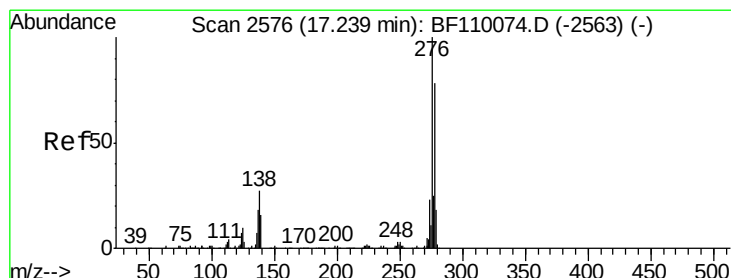
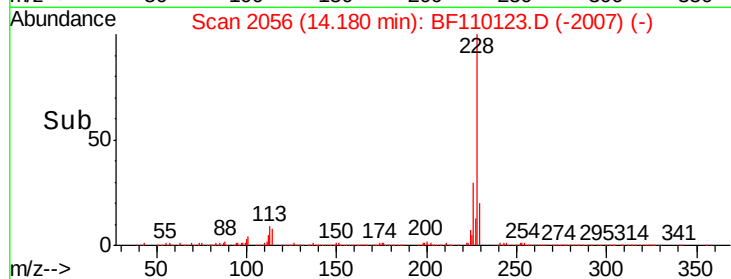
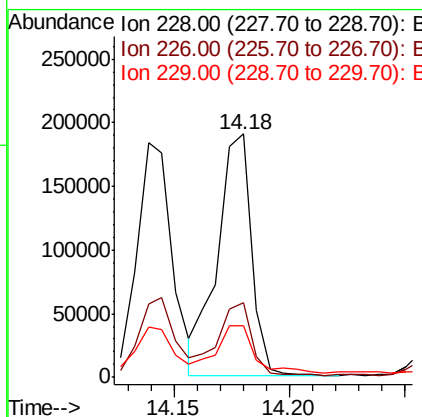
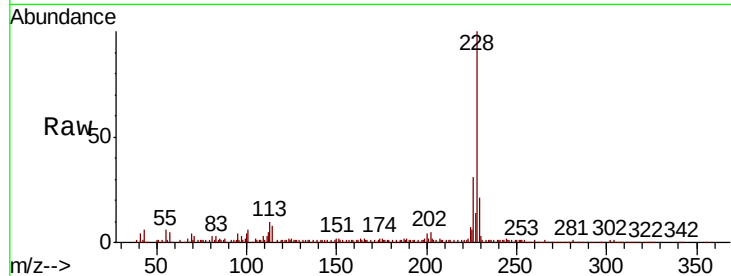
#83
Chrysene
Concen: 11.969 ng
RT: 14.18 min Scan# 2056
Delta R.T. -0.01 min
Lab File: BF110123.D
Acq: 24 Oct 2018 19:00

Instrument :
BNA_F
ClientSampleId :
CL-01-102318-C

Tot Ion	Ion	Ratio	Resp	Lower	Upper
228	100		196425		
226	30.8	24.7	37.1		
229	21.3	15.9	23.9		

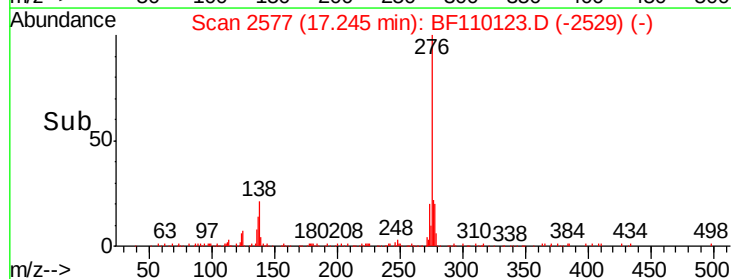
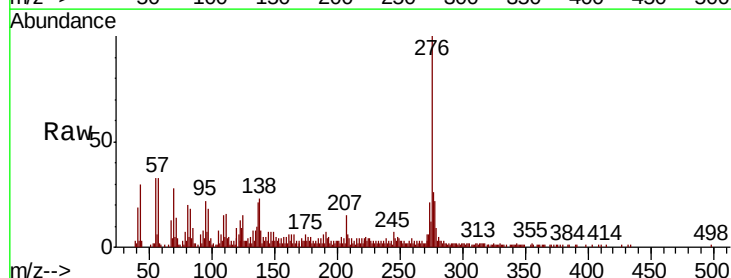
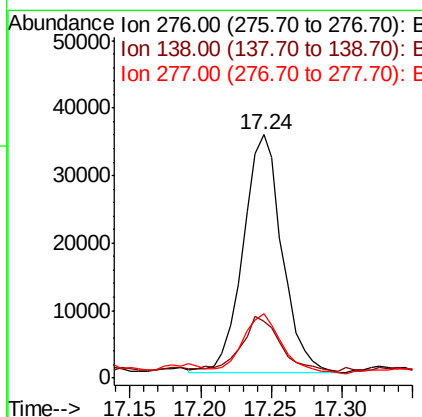
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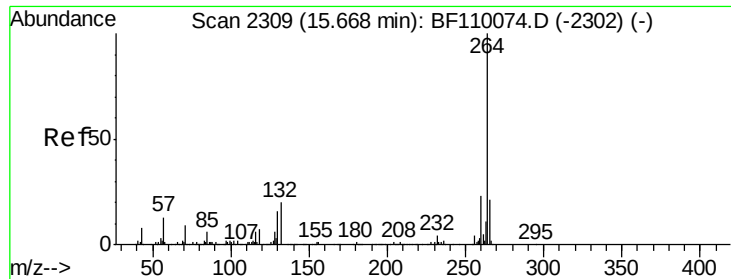
Sohil
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#86
Indeno(1,2,3-cd)pyrene
Concen: 5.033 ng
RT: 17.24 min Scan# 2577
Delta R.T. -0.02 min
Lab File: BF110123.D
Acq: 24 Oct 2018 19:00

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
276	100		68527		
138	21.9	18.5	27.7		
277	25.3	20.0	30.0		





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.68 min Scan# 2311

Delta R.T. -0.01 min

Lab File: BF110123.D

Acq: 24 Oct 2018 19:00

Instrument :

BNA_F

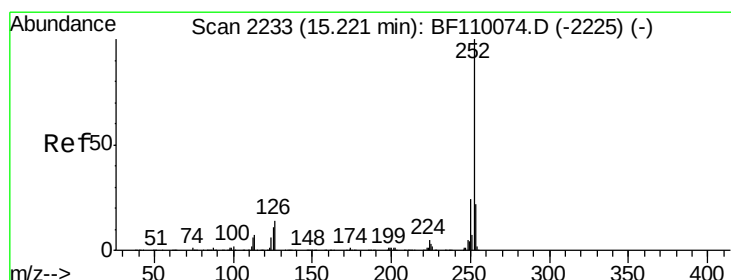
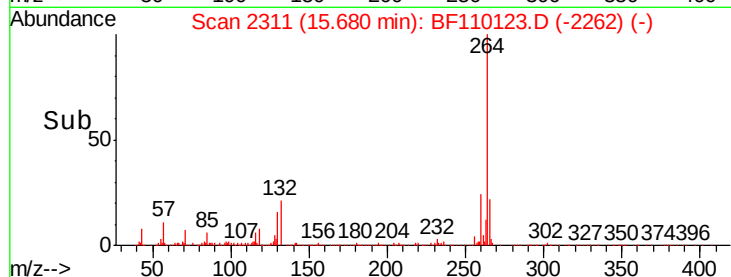
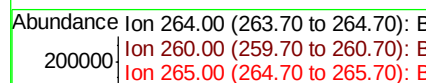
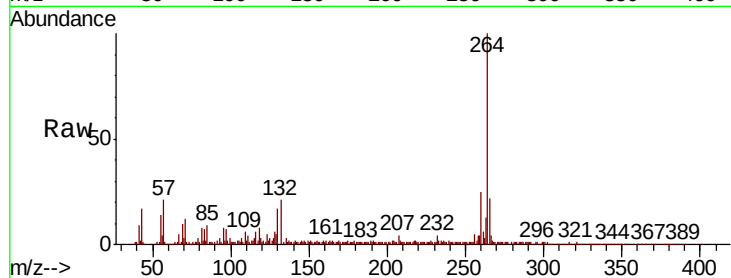
ClientSampleId :

CL-01-102318-C

Tot Ion:	264	Resp:	200289
Ion Ratio	Lower	Upper	
264	100		
260	25.0	18.7	28.1
265	22.3	16.7	25.1

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#88

Benzo(b)fluoranthene

Concen: 15.663 ng m

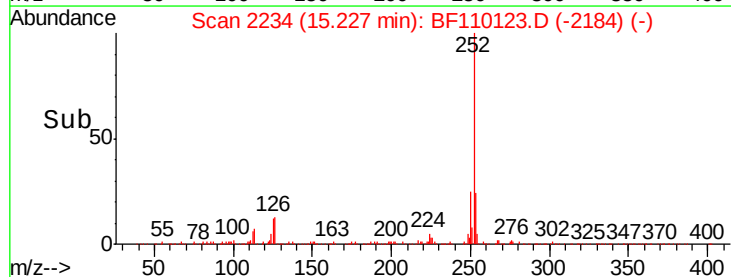
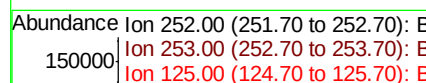
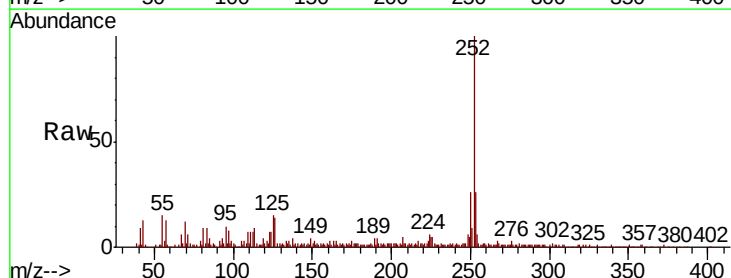
RT: 15.23 min Scan# 2234

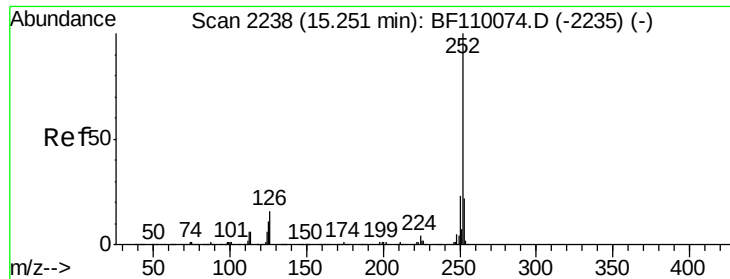
Delta R.T. -0.01 min

Lab File: BF110123.D

Acq: 24 Oct 2018 19:00

Tgt Ion:	252	Resp:	181161
Ion Ratio	Lower	Upper	
252	100		
253	26.0	17.2	25.8#
125	15.5	8.2	12.4#





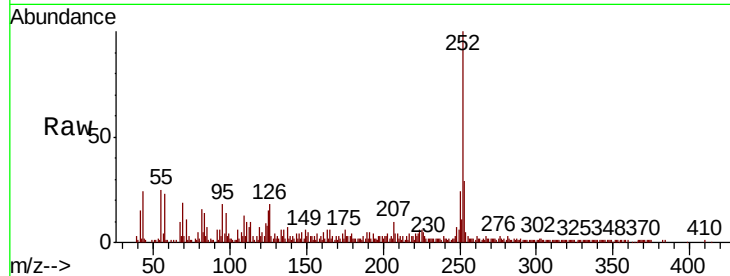
#89
Benzo(k)fluoranthene
Concen: 4.732 ng m
RT: 15.25 min Scan# 2238
Delta R.T. -0.02 min
Lab File: BF110123.D
Acq: 24 Oct 2018 19:00

Instrument :
BNA_F
ClientSampleId :
CL-01-102318-C

Tot Ion	Ratio	Lower	Upper
252	100		
253	28.5	17.2	25.8#
125	15.2	7.4	11.0#

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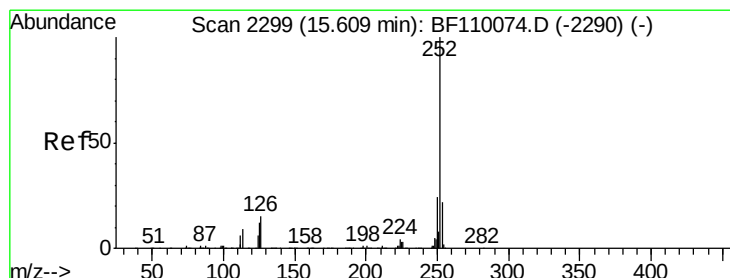
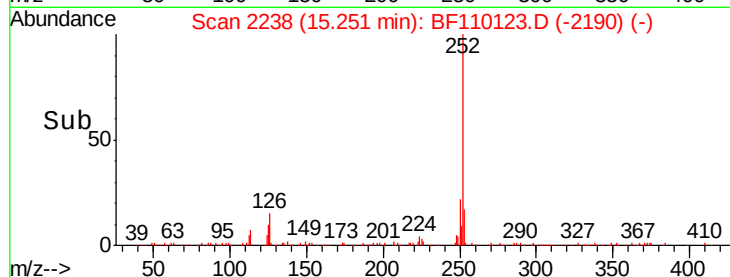
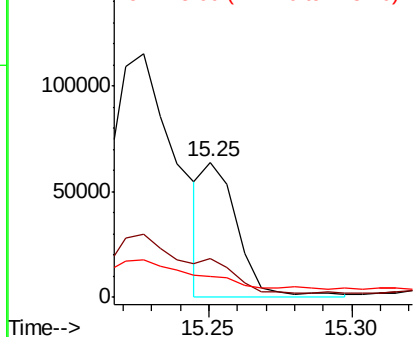


Abundance

Ion 252.00 (251.70 to 252.70): E

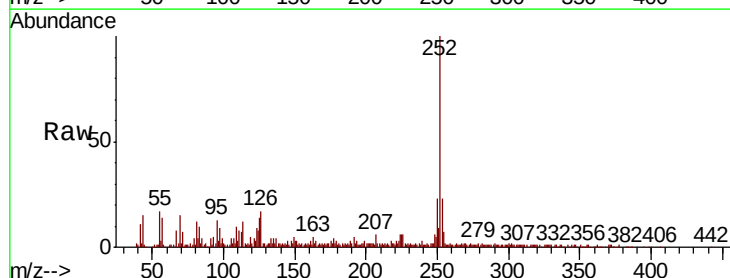
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#90
Benzo(a)pyrene
Concen: 11.037 ng
RT: 15.62 min Scan# 2300
Delta R.T. -0.01 min
Lab File: BF110123.D
Acq: 24 Oct 2018 19:00

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	18.2	27.4
125	14.0	9.0	13.6#

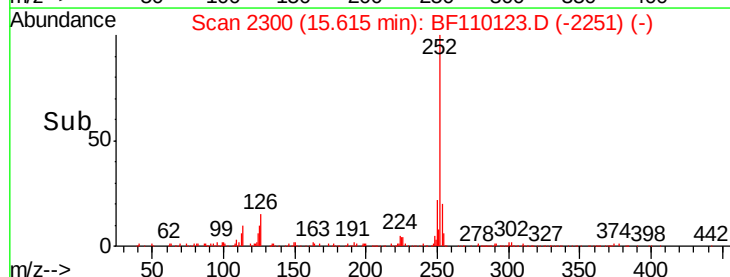
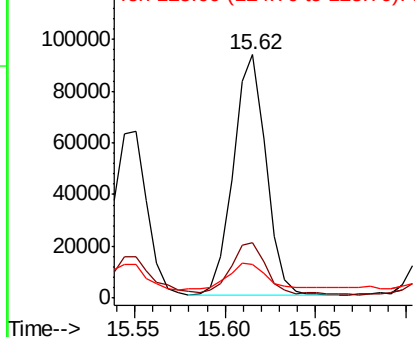


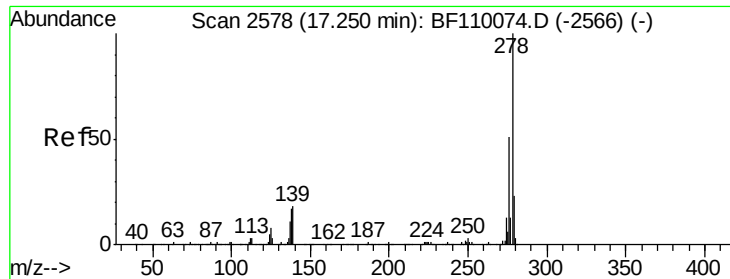
Abundance

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





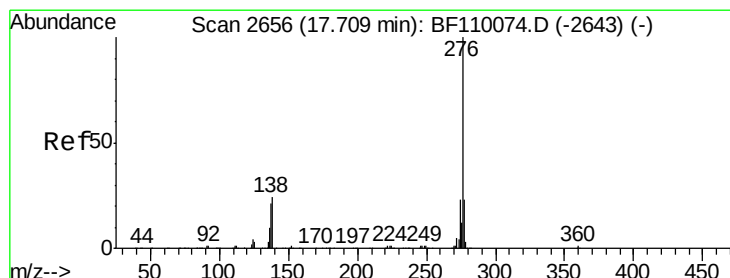
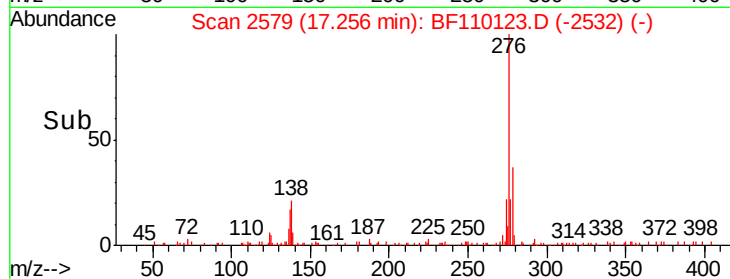
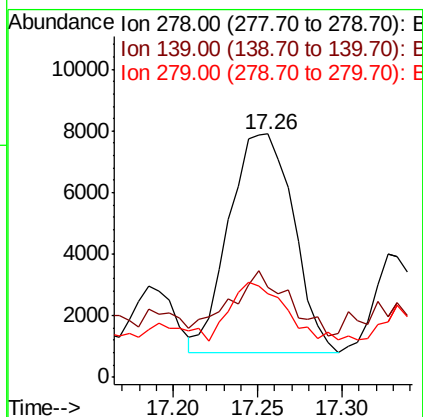
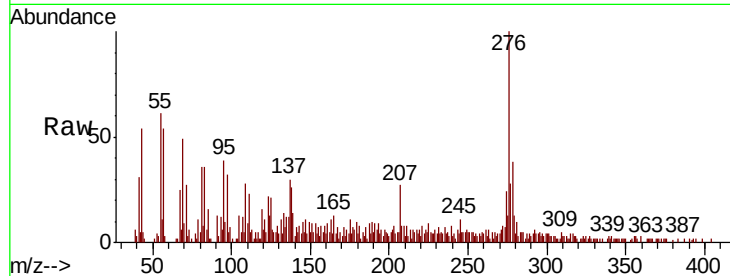
#91
Dibenzo(a,h)anthracene
Concen: 2.061 ng
RT: 17.26 min Scan# 2579
Delta R.T. -0.02 min
Lab File: BF110123.D
Acq: 24 Oct 2018 19:00

Instrument :
BNA_F
ClientSampleId :
CL-01-102318-C

Tot Ion	Ratio	Lower	Upper
278	100		
139	37.2	12.7	19.1#
279	34.3	19.0	28.4#

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#92
Benzo(g,h,i)perylene
Concen: 6.822 ng
RT: 17.72 min Scan# 2658
Delta R.T. -0.02 min
Lab File: BF110123.D
Acq: 24 Oct 2018 19:00

Tgt Ion	Ratio	Lower	Upper
276	100		
277	26.0	18.8	28.2
138	26.4	16.0	24.0#

