

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102518\
 Data File : BF110181.D
 Acq On : 26 Oct 2018 00:46
 Operator : JU/SJ
 Sample : J5200-13 2X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OR-02-102318-A

Manual Integrations
 APPROVED

Sohil
 10/26/2018 3:49:30 PM

Quant Time: Oct 26 07:09:48 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	141875	20.00	ng	-0.01
21) Naphthalene-d8	8.25	136	541244	20.00	ng	-0.02
39) Acenaphthene-d10	10.01	164	223104	20.00	ng	-0.02
64) Phenanthrene-d10	11.50	188	367841	20.00	ng	-0.01
76) Chrysene-d12	14.15	240	245261	20.00	ng	-0.01
87) Perylene-d12	15.68	264	191051	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.58	112	425241	48.81	ng	-0.02
7) Phenol-d6	6.59	99	536554	48.15	ng	-0.02
23) Nitrobenzene-d5	7.53	82	311744	34.16	ng	-0.02
42) 2,4,6-Tribromophenol	10.80	330	96620	43.72	ng	-0.02
45) 2-Fluorobiphenyl	9.32	172	545828	38.42	ng	-0.02
79) Terphenyl-d14	13.09	244	420450	35.65	ng	-0.02
Target Compounds						Qvalue
10) Phenol	6.59	94	28425	2.386	ng	80
31) Naphthalene	8.27	128	72117	2.891	ng	99
37) 2-Methylnaphthalene	8.96	142	45035	2.729	ng	98
38) 1-Methylnaphthalene	9.06	142	42830	2.685	ng	98
49) Acenaphthylene	9.87	152	57437	2.687	ng	# 97
50) Dimethylphthalate	9.72	163	57384	3.484	ng	# 99
52) Acenaphthene	10.04	154	48755	3.448	ng	98
55) Dibenzofuran	10.22	168	43465	2.195	ng	97
58) Fluorene	10.56	166	72949	4.951	ng	99
71) Phenanthrene	11.53	178	453094	23.541	ng	99
72) Anthracene	11.58	178	151162	7.835	ng	98
73) Carbazole	11.73	167	46484	2.468	ng	97
75) Fluoranthene	12.72	202	817910	41.872	ng	99
78) Pyrene	12.96	202	843035	47.946	ng	99
81) Benzo(a)anthracene	14.14	228	408931	28.116	ng	97
83) Chrysene	14.18	228	369163	26.723	ng	97
86) Indeno(1,2,3-cd)pyrene	17.24	276	167722	14.635	ng	99
88) Benzo(b)fluoranthene	15.23	252	427706m	38.768	ng	
89) Benzo(k)fluoranthene	15.25	252	138797m	12.797	ng	
90) Benzo(a)pyrene	15.62	252	309397	30.477	ng	99
91) Dibenzo(a,h)anthracene	17.26	278	43575	4.975	ng	# 86
92) Benzo(g,h,i)perylene	17.72	276	157407	18.236	ng	95

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

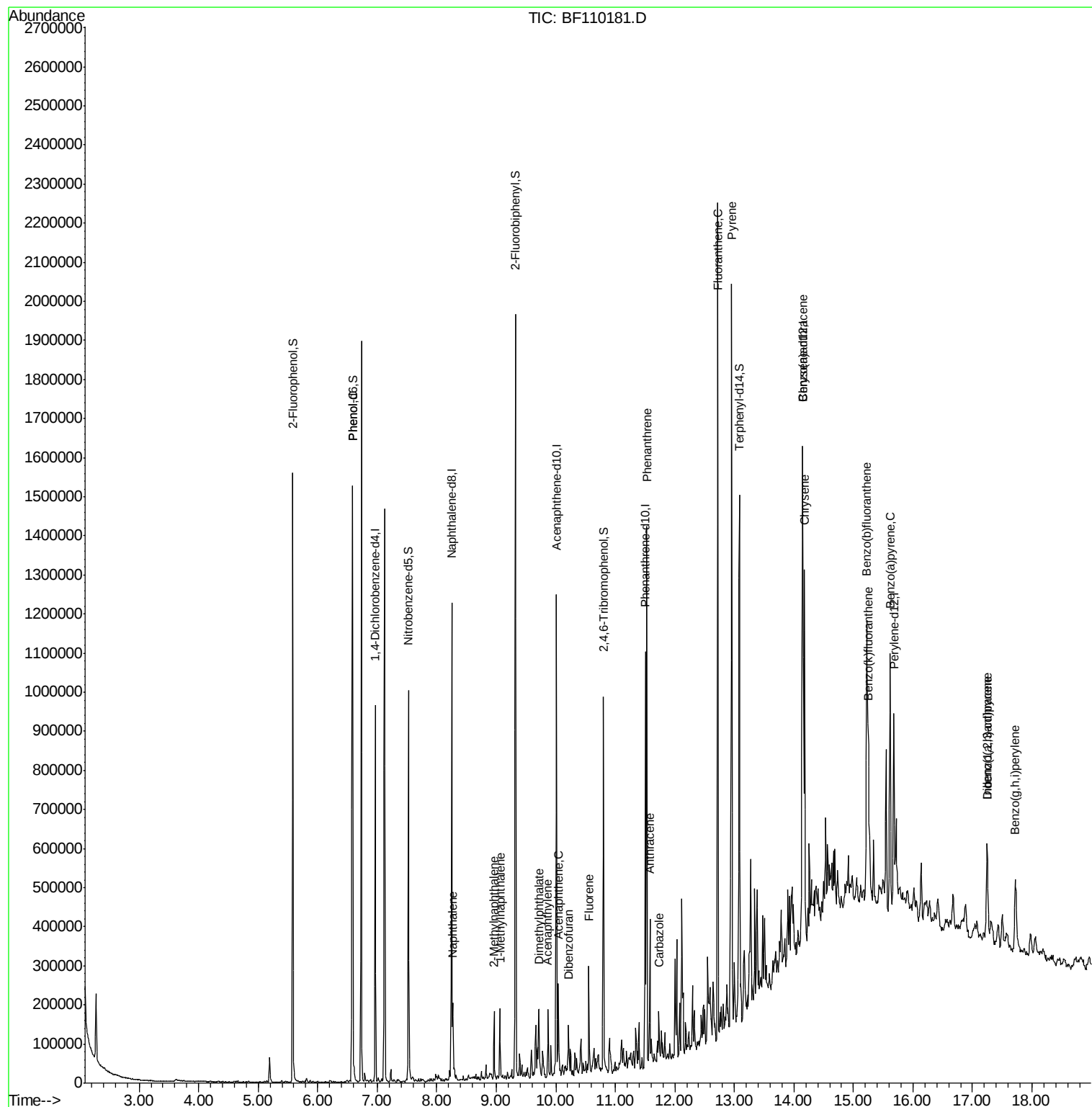
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102518\
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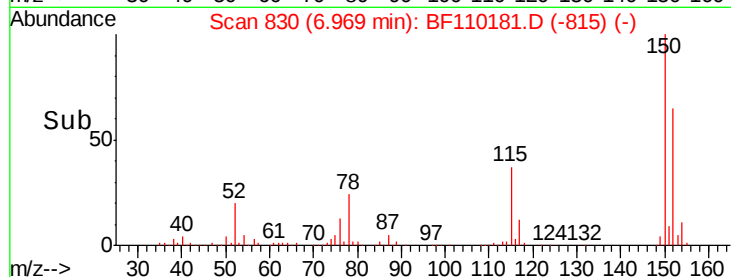
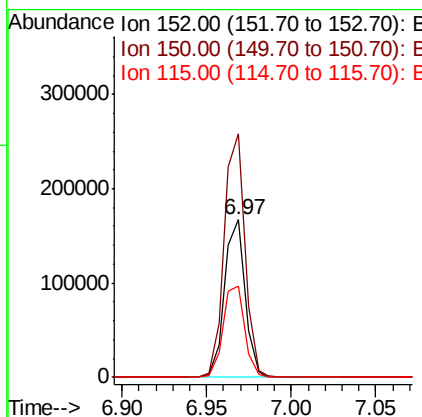
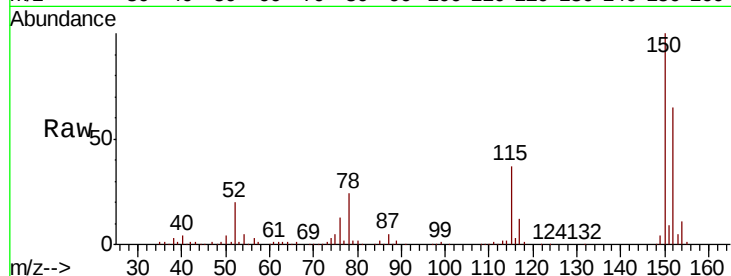
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.97 min Scan# 830
 Delta R.T. -0.01 min
 Lab File: BF110181.D
 Acq: 26 Oct 2018 00:46

Instrument :
 BNA_F
 ClientSampleId :
 OR-02-102318-A

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.5	122.7	184.1
115	57.8	49.1	73.7

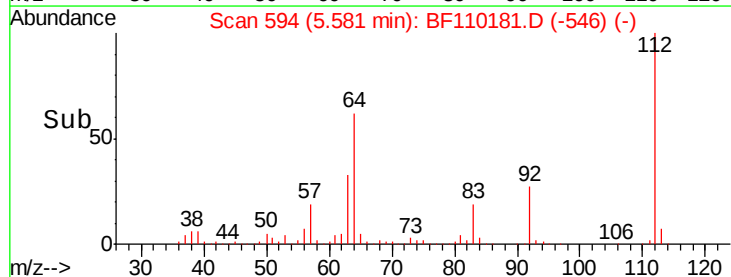
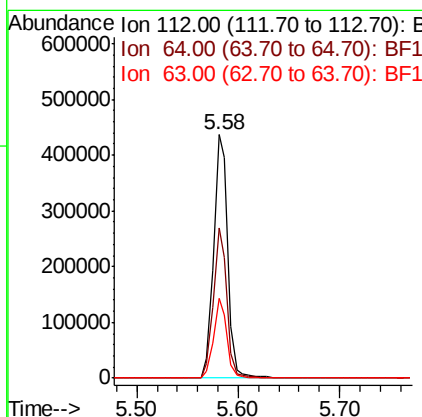
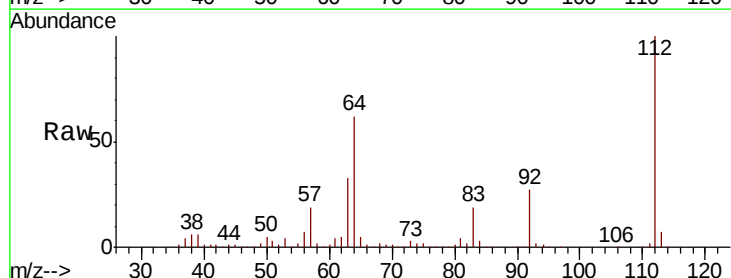
Manual Integrations
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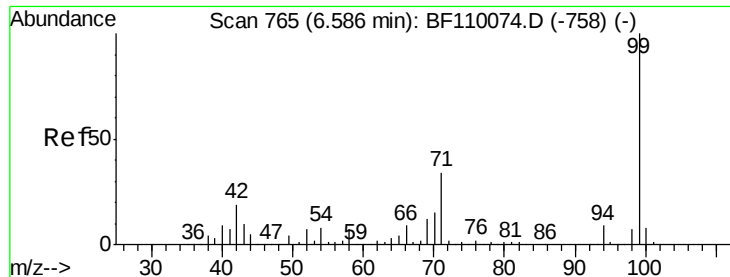
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#5
 2-Fluorophenol
 Concen: 48.809 ng
 RT: 5.58 min Scan# 594
 Delta R.T. -0.02 min
 Lab File: BF110181.D
 Acq: 26 Oct 2018 00:46

Tgt Ion	Ratio	Lower	Upper
112	100		
64	61.7	44.1	66.1
63	32.6	23.7	35.5





#7

Phenol-d6

Concen: 48.149 ng

RT: 6.59 min Scan# 765

Delta R.T. -0.02 min

Lab File: BF110181.D

Acq: 26 Oct 2018 00:46

Instrument :

BNA_F

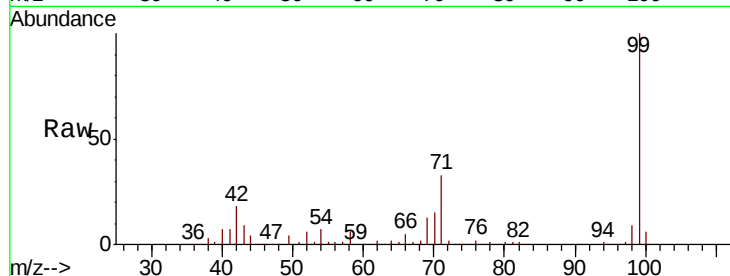
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OR-02-102318-A

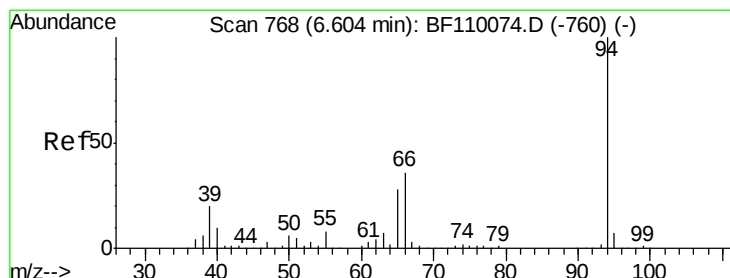
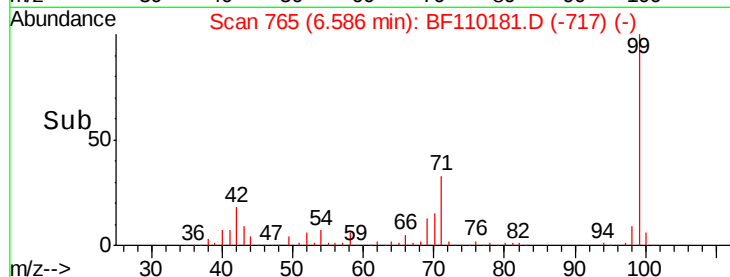
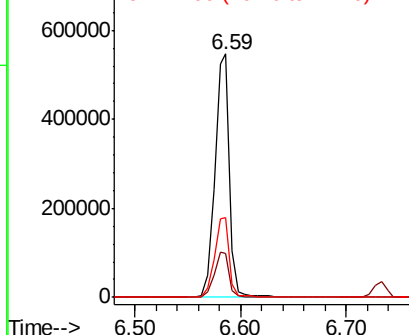
Tot Ion:	99	Resp:	536554
Ion	Ratio	Lower	Upper
99	100		
42	18.0	15.8	23.6
71	32.5	28.0	42.0

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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: 2.386 ng

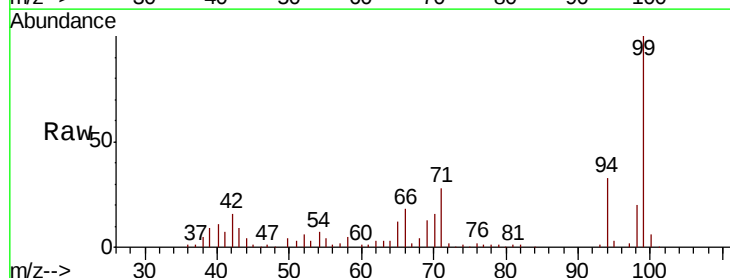
RT: 6.59 min Scan# 766

Delta R.T. -0.02 min

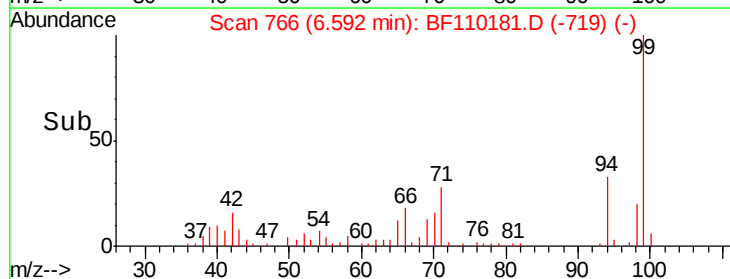
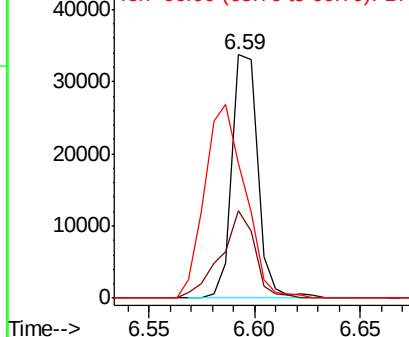
Lab File: BF110181.D

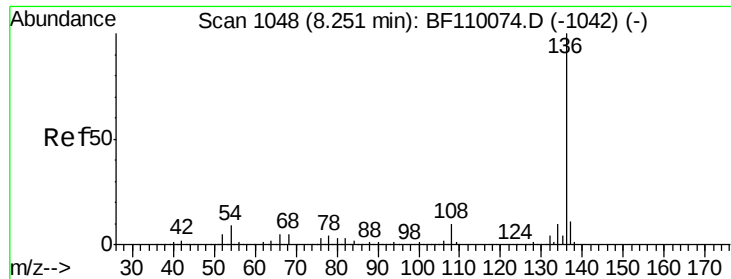
Acq: 26 Oct 2018 00:46

Tgt Ion:	94	Resp:	28425
Ion	Ratio	Lower	Upper
94	100		
65	35.9	25.3	65.3
66	55.2	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: BF110181.D

Acq: 26 Oct 2018 00:46

Instrument :

BNA_F

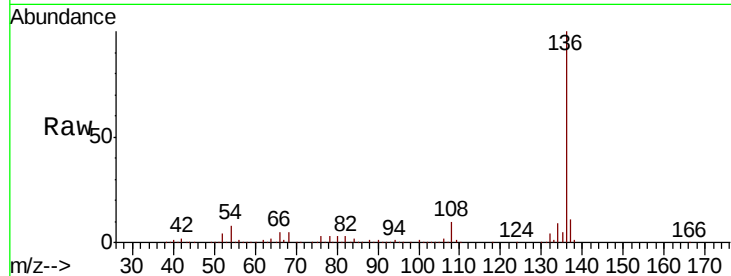
ClientSampleId :

OR-02-102318-A

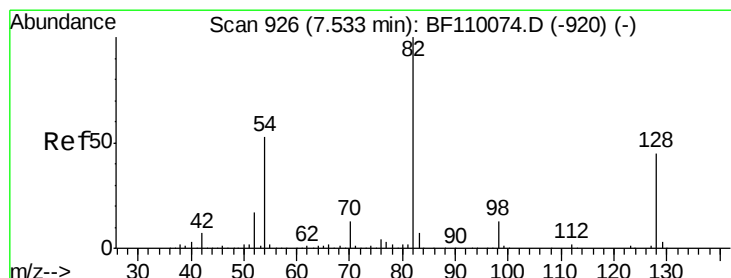
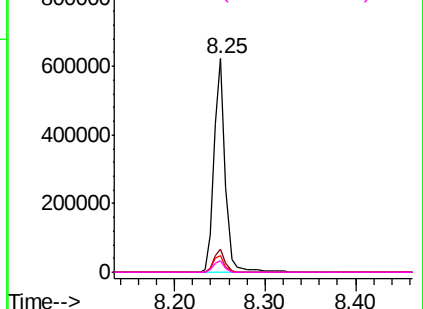
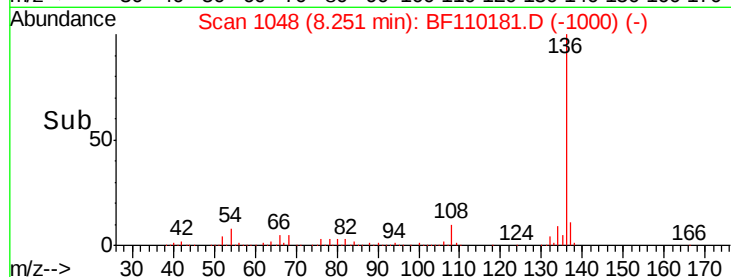
Tot Ion	Ion	Ratio	Resp	Lower	Upper
136	100		541244		
137	10.7		8.8	13.2	
54	7.6		5.4	8.2	
68	5.2		4.2	6.2	

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Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1



#23

Nitrobenzene-d5

Concen: 34.163 ng

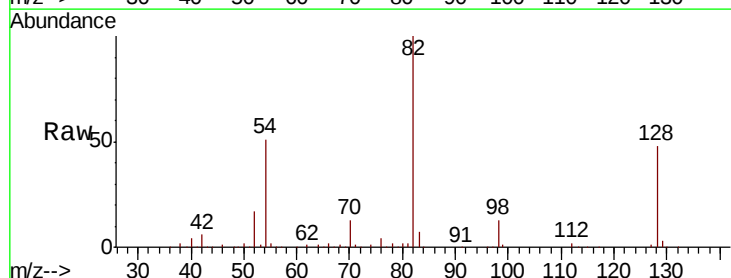
RT: 7.53 min Scan# 925

Delta R.T. -0.02 min

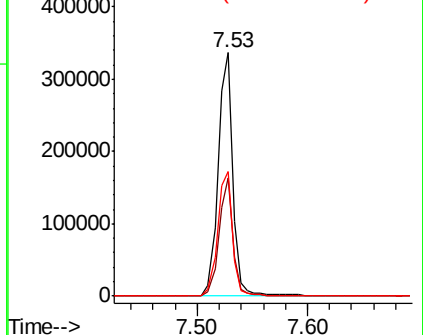
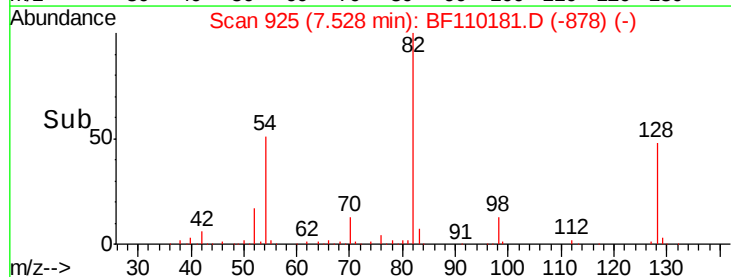
Lab File: BF110181.D

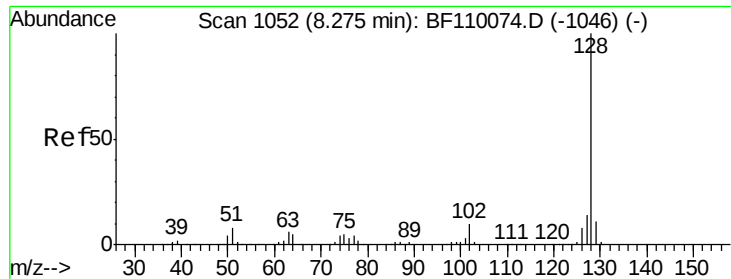
Acq: 26 Oct 2018 00:46

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
82	100		311744		
128	48.5		34.2	51.2	
54	51.1		38.6	58.0	



Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF1





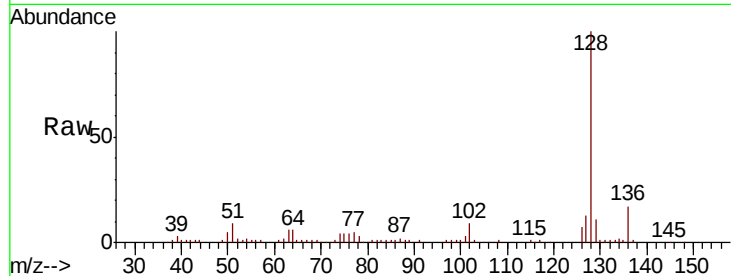
#31
Naphthalene
Concen: 2.891 ng
RT: 8.27 min Scan# 1051
Delta R.T. -0.02 min
Lab File: BF110181.D
Acq: 26 Oct 2018 00:46

Instrument :
BNA_F
ClientSampleId :
OR-02-102318-A

Tot Ion	Ratio	Lower	Upper
128	100		
129	11.1	8.8	13.2
127	13.2	10.8	16.2

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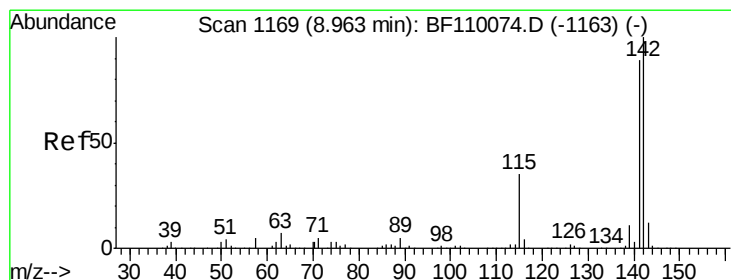
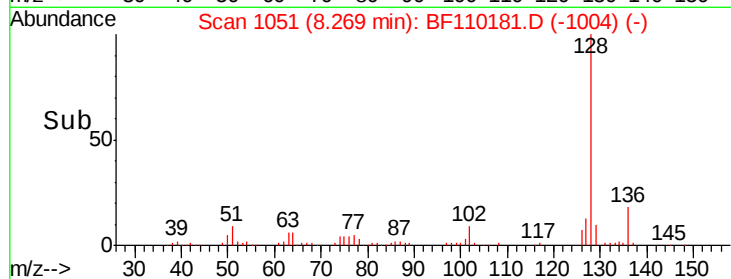
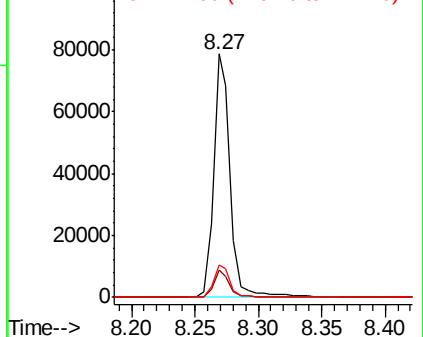


Abundance

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



#37
2-Methylnaphthalene
Concen: 2.729 ng
RT: 8.96 min Scan# 1169
Delta R.T. -0.02 min
Lab File: BF110181.D
Acq: 26 Oct 2018 00:46

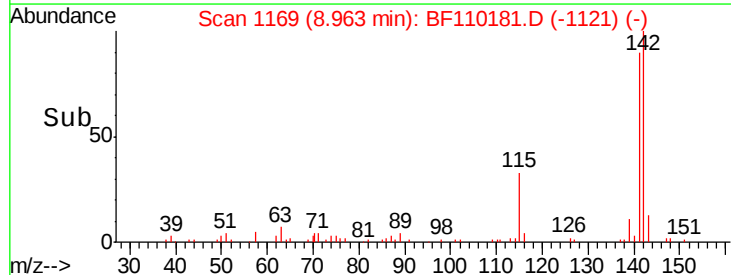
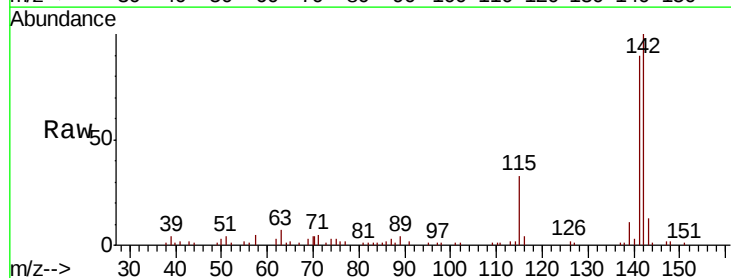
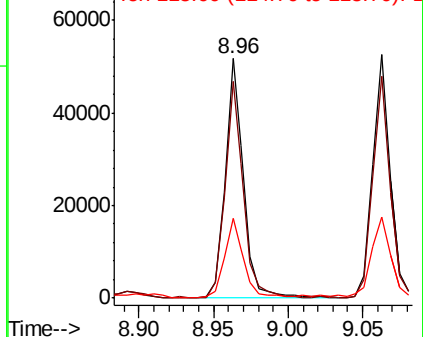
Tgt Ion	Ratio	Lower	Upper
142	100		
141	90.4	71.4	107.2
115	33.5	28.7	43.1

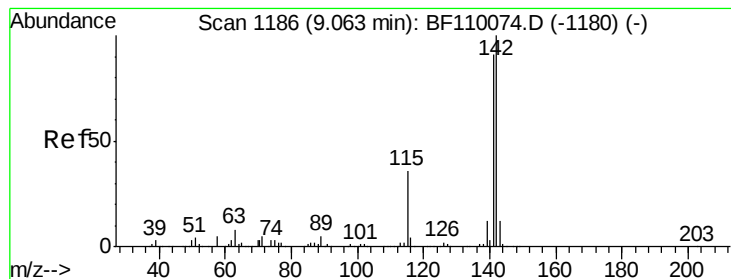
Abundance

Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E





#38

1-Methylnaphthalene

Concen: 2.685 ng

RT: 9.06 min Scan# 1186

Delta R.T. -0.02 min

Lab File: BF110181.D

Acq: 26 Oct 2018 00:46

Instrument :

BNA_F

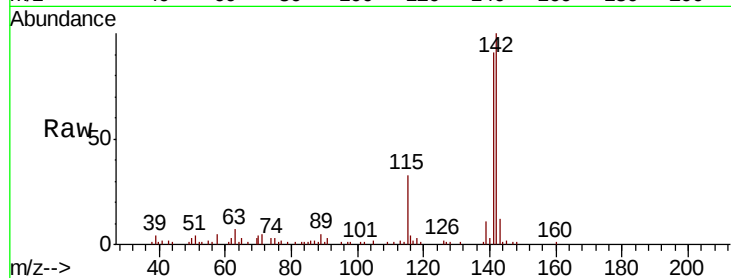
ClientSampleId :

OR-02-102318-A

Tot Ion	Ratio	Lower	Upper
142	100		
141	91.3	74.2	111.4
116	3.7	2.6	4.0

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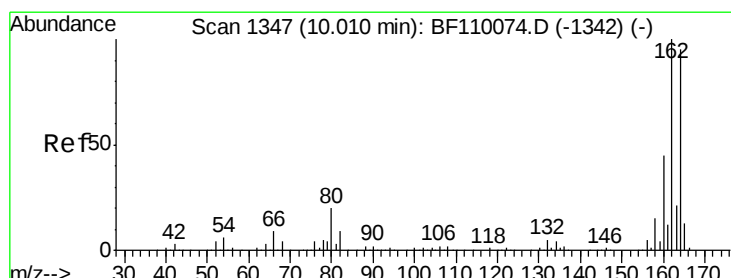
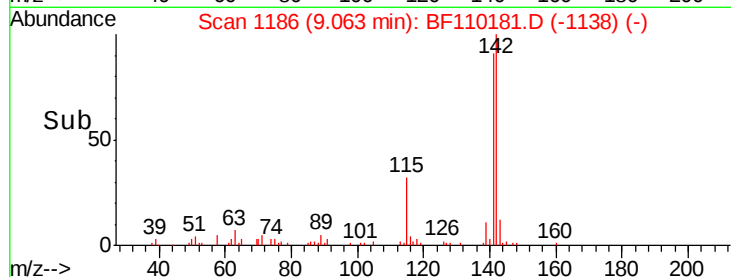
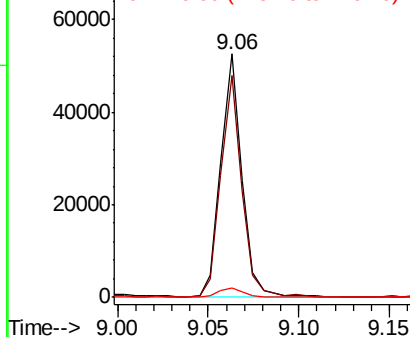


Abundance

Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E



#39

Acenaphthene-d10

Concen: 20.000 ng

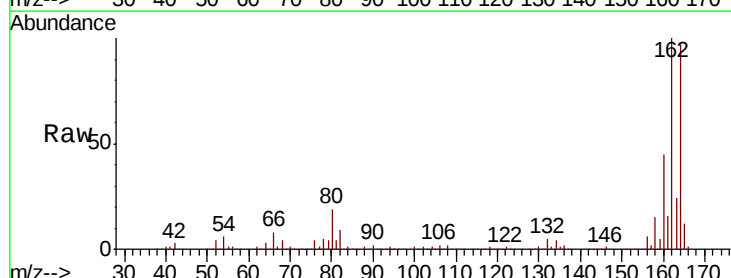
RT: 10.01 min Scan# 1347

Delta R.T. -0.02 min

Lab File: BF110181.D

Acq: 26 Oct 2018 00:46

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.6	83.0	124.6
160	45.8	37.0	55.6

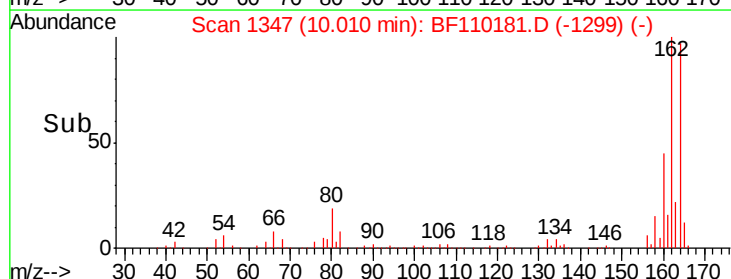
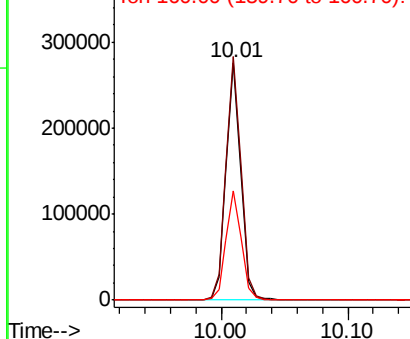


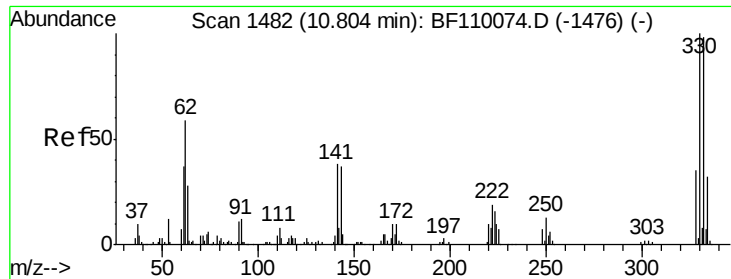
Abundance

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





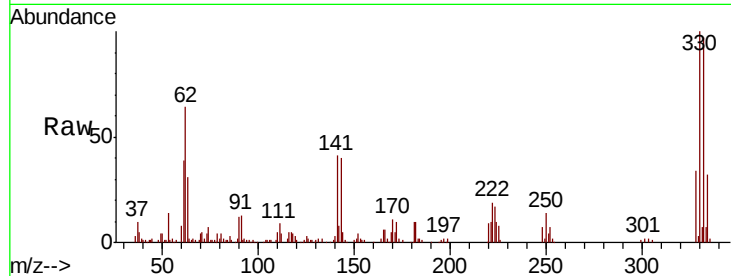
#42
 2,4,6-Tribromophenol
 Concen: 43.720 ng
 RT: 10.80 min Scan# 1481
 Delta R.T. -0.02 min
 Lab File: BF110181.D
 Acq: 26 Oct 2018 00:46

Instrument :
 BNA_F
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 OR-02-102318-A

Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	95.5	77.1	115.7	
141	40.4	27.0	40.4	

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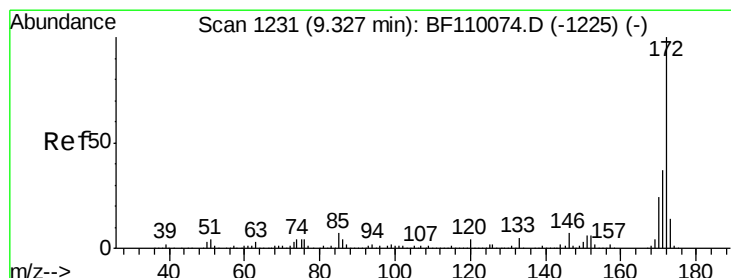
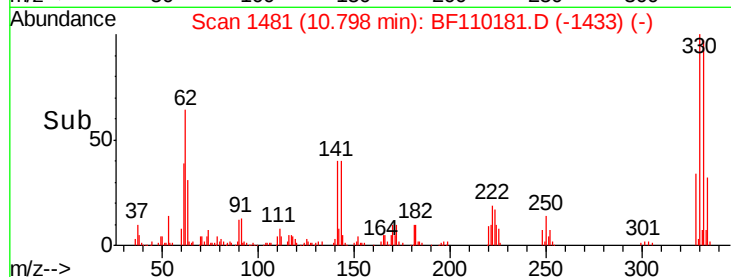
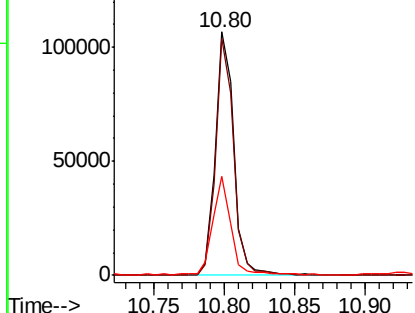


Abundance

Ion 329.80 (329.50 to 330.50): E

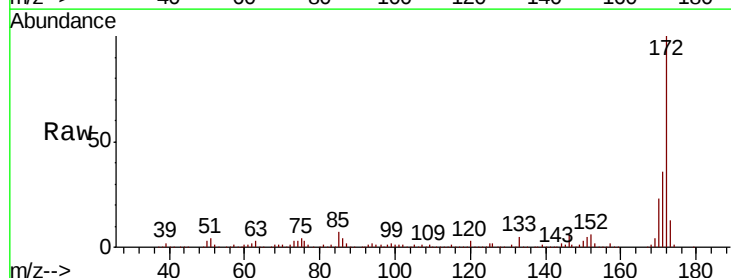
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 38.417 ng
 RT: 9.32 min Scan# 1230
 Delta R.T. -0.02 min
 Lab File: BF110181.D
 Acq: 26 Oct 2018 00:46

Tgt Ion	Ratio	Resp	Lower	Upper
172	100			
171	35.7	28.6	43.0	
170	23.3	19.7	29.5	

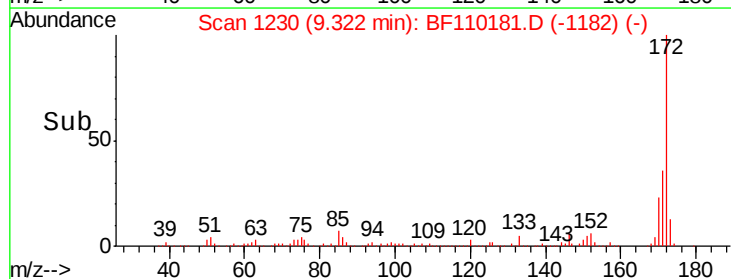
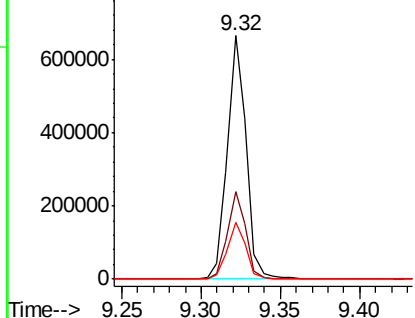


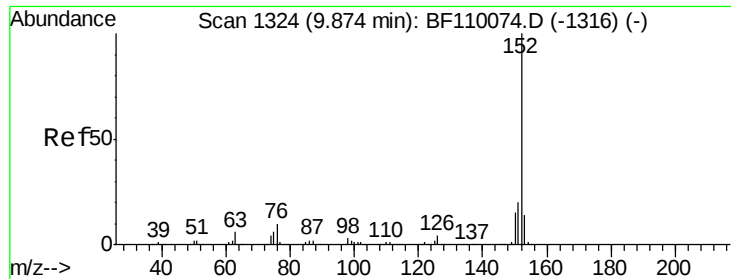
Abundance

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: 2.687 ng

RT: 9.87 min Scan# 1323

Delta R.T. -0.02 min

Lab File: BF110181.D

Acq: 26 Oct 2018 00:46

Instrument :

BNA_F

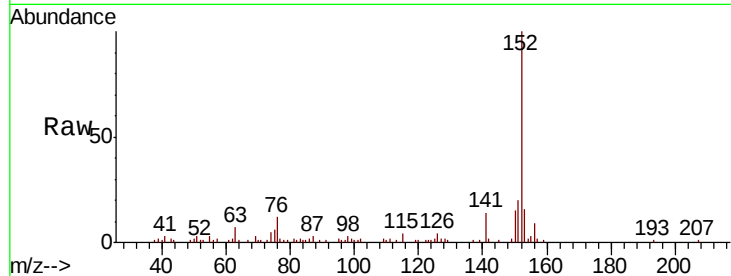
ClientSampleId :

OR-02-102318-A

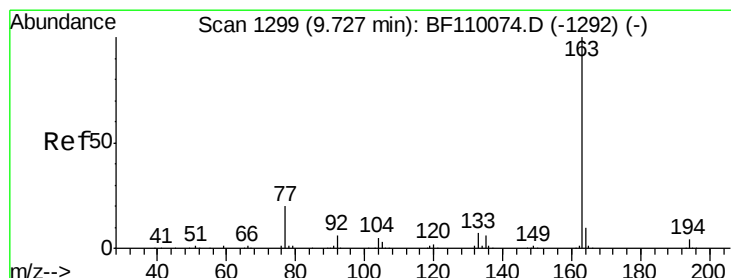
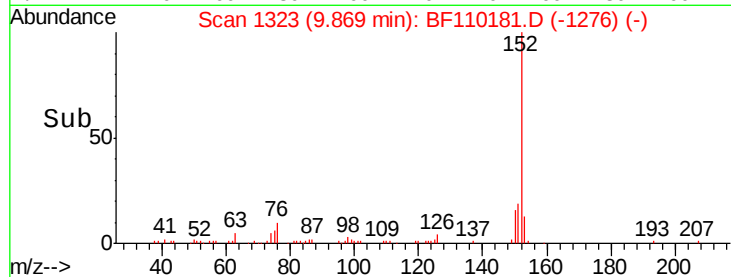
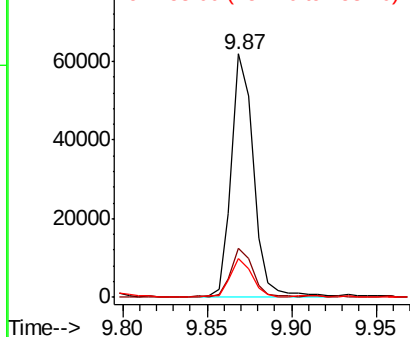
Tot Ion:	152	Resp:	57437
Ion Ratio	Lower	Upper	
152	100		
151	19.9	15.8	23.8
153	16.0	10.4	15.6#

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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: 3.484 ng

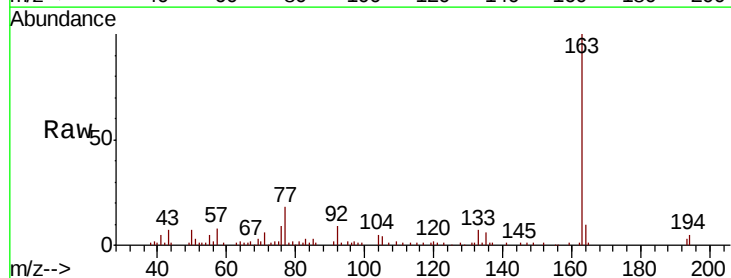
RT: 9.72 min Scan# 1297

Delta R.T. -0.02 min

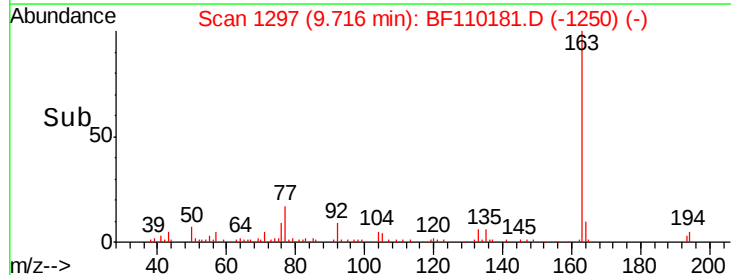
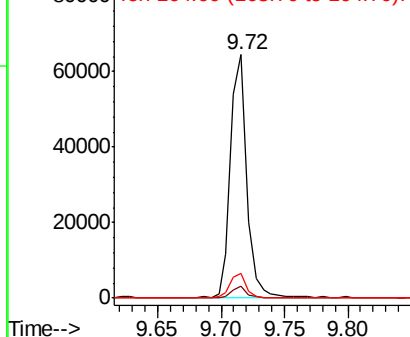
Lab File: BF110181.D

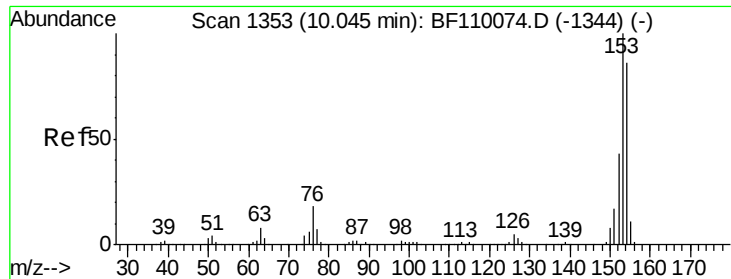
Acq: 26 Oct 2018 00:46

Tgt Ion:	163	Resp:	57384
Ion Ratio	Lower	Upper	
163	100		
194	4.9	3.2	4.8#
164	10.0	8.1	12.1



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E





#52

Acenaphthene

Concen: 3.448 ng

RT: 10.04 min Scan# 1352

Delta R.T. -0.02 min

Lab File: BF110181.D

Acq: 26 Oct 2018 00:46

Instrument :

BNA_F

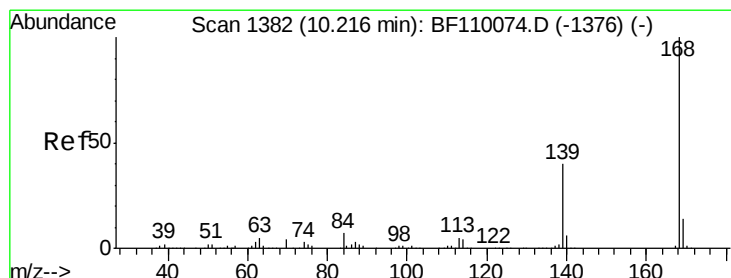
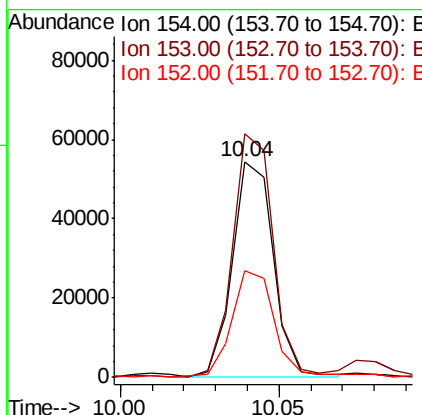
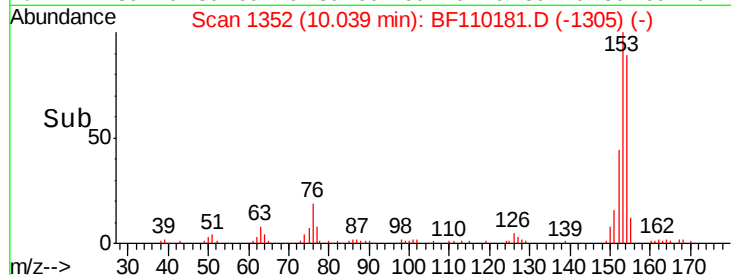
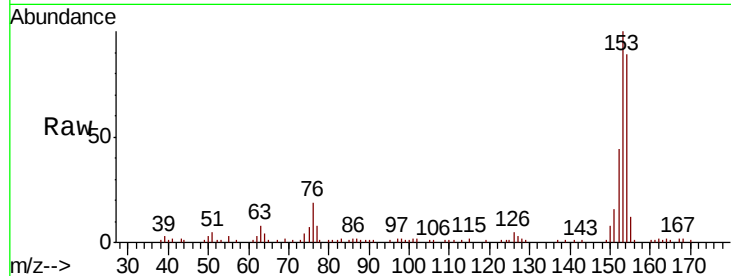
ClientSampleId :

OR-02-102318-A

Tot Ion:	154	Resp:	48755
Ion Ratio	Lower	Upper	
154	100		
153	113.0	90.1	135.1
152	49.5	43.4	65.2

Manual Integrations
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#55

Dibenzofuran

Concen: 2.195 ng

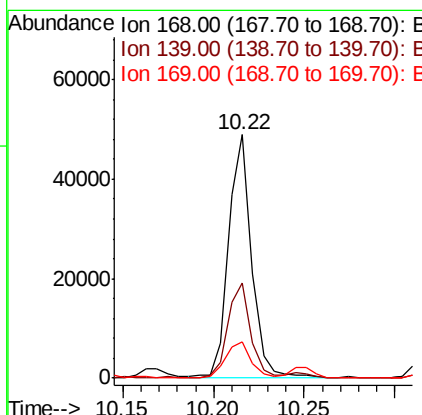
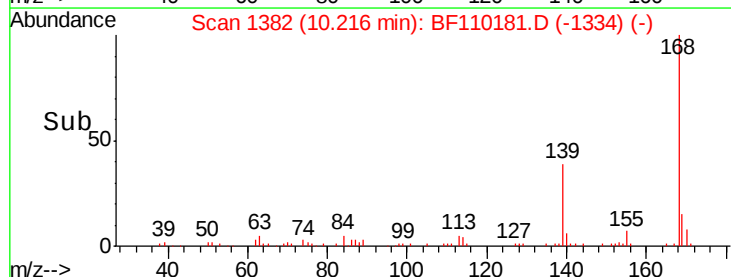
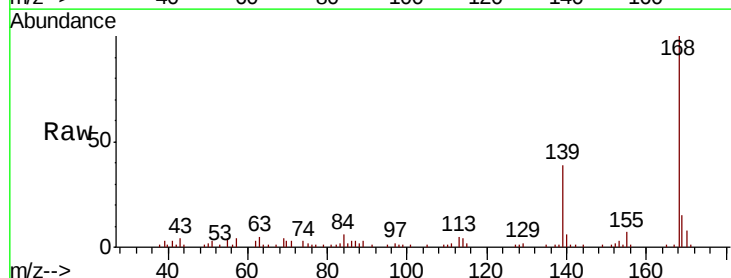
RT: 10.22 min Scan# 1382

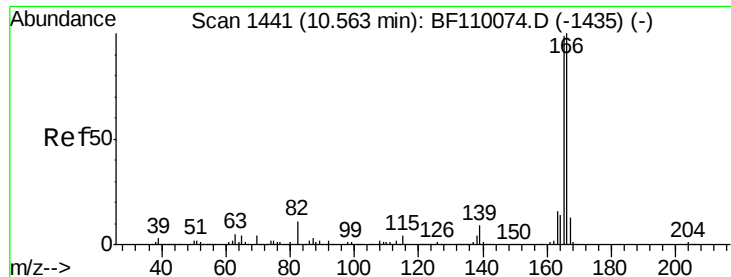
Delta R.T. -0.02 min

Lab File: BF110181.D

Acq: 26 Oct 2018 00:46

Tgt Ion:	168	Resp:	43465
Ion Ratio	Lower	Upper	
168	100		
139	38.9	33.0	49.6
169	15.0	11.3	16.9





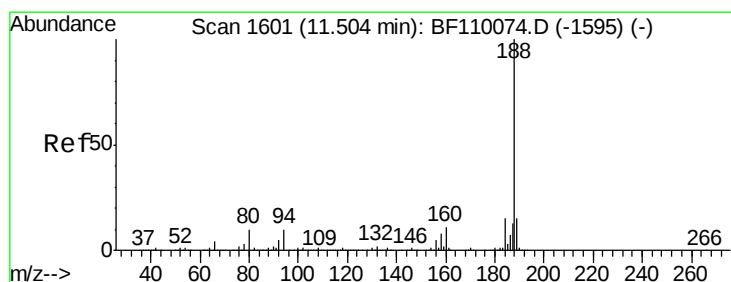
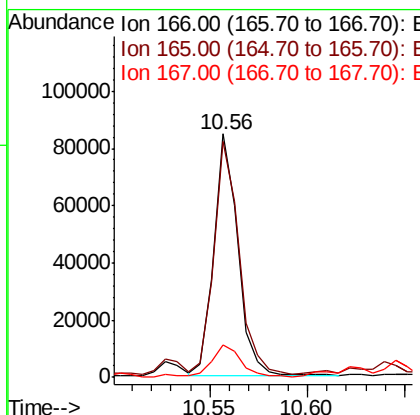
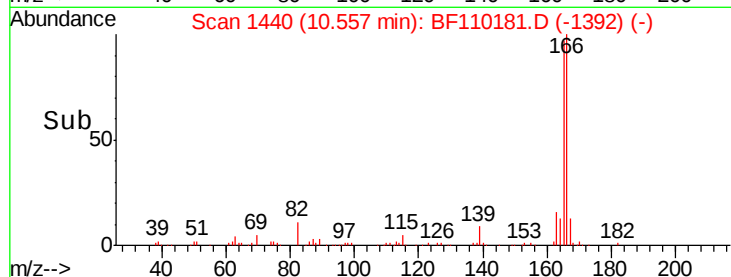
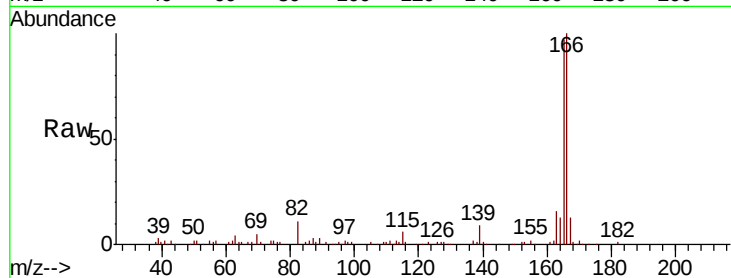
#58
Fluorene
Concen: 4.951 ng
RT: 10.56 min Scan# 1440
Delta R.T. -0.02 min
Lab File: BF110181.D
Acq: 26 Oct 2018 00:46

Instrument :
BNA_F
ClientSampleId :
OR-02-102318-A

Tot Ion	Ion	Ratio	Lower	Upper
166	100			
165	96.9	78.6	117.8	
167	13.3	10.8	16.2	

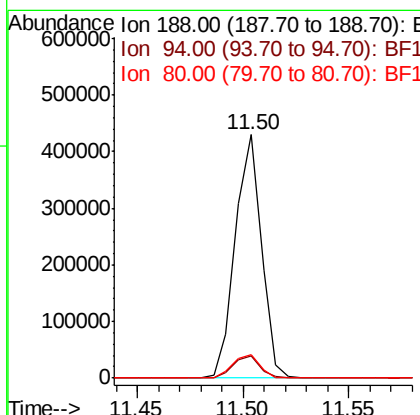
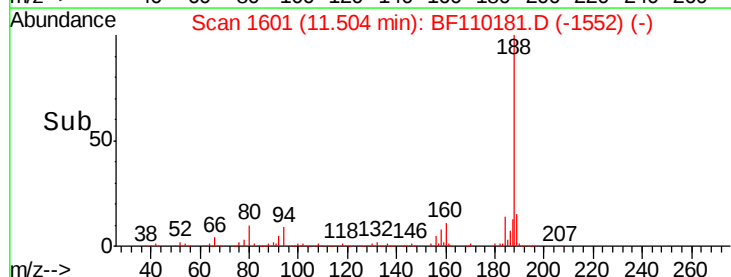
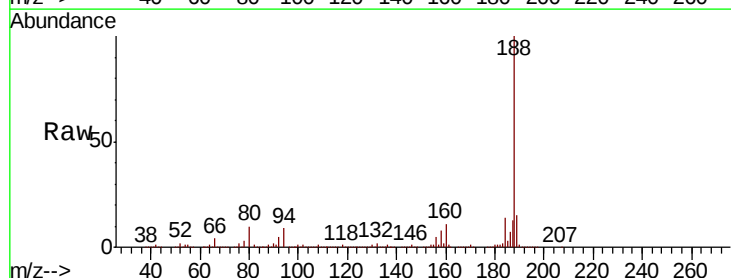
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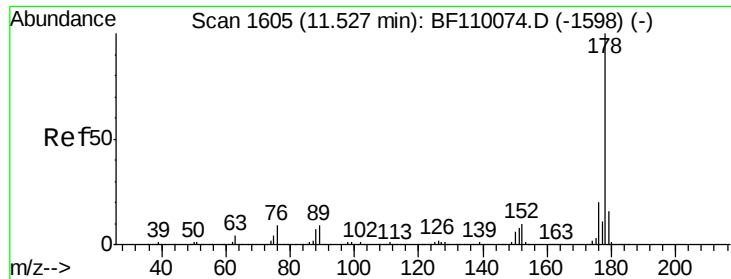
Sohil
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#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.50 min Scan# 1601
Delta R.T. -0.01 min
Lab File: BF110181.D
Acq: 26 Oct 2018 00:46

Tgt Ion	Ion	Ratio	Lower	Upper
188	100			
94	9.0	7.2	10.8	
80	9.8	7.9	11.9	





#71

Phenanthrene

Concen: 23.541 ng

RT: 11.53 min Scan# 1605

Delta R.T. -0.02 min

Lab File: BF110181.D

Acq: 26 Oct 2018 00:46

Instrument :

BNA_F

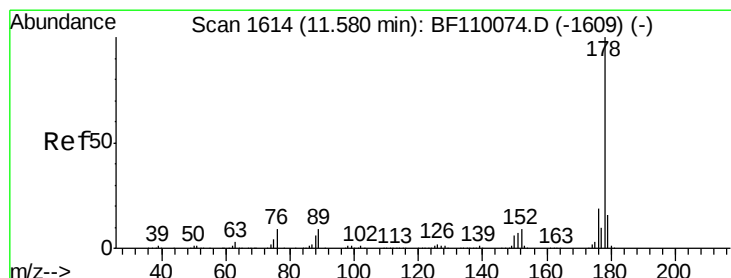
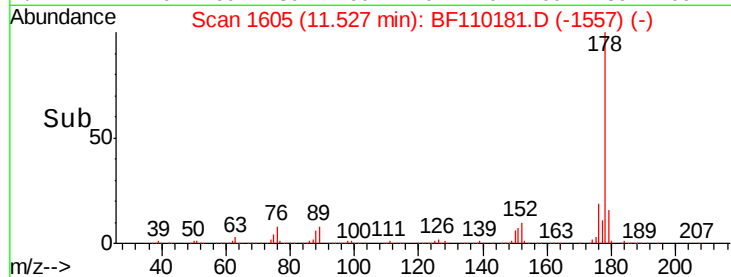
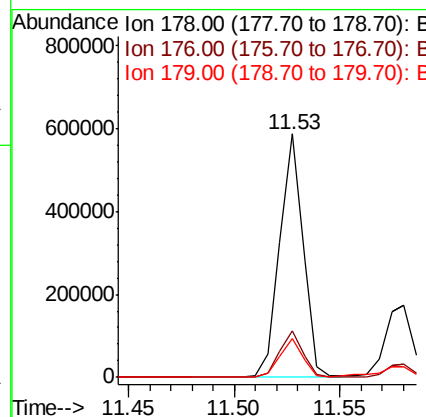
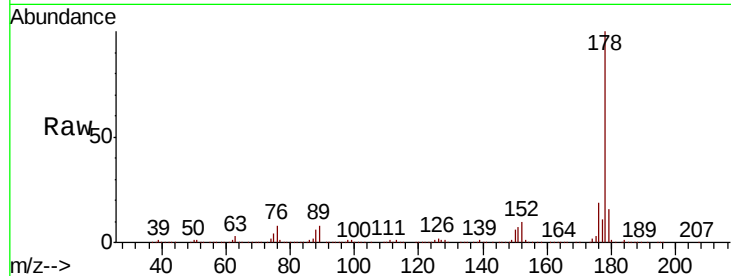
ClientSampleId :

OR-02-102318-A

Tot Ion:	178	Resp:	453094
Ion Ratio	Lower	Upper	
178	100		
176	19.0	15.5	23.3
179	15.8	12.5	18.7

Manual Integrations
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#72

Anthracene

Concen: 7.835 ng

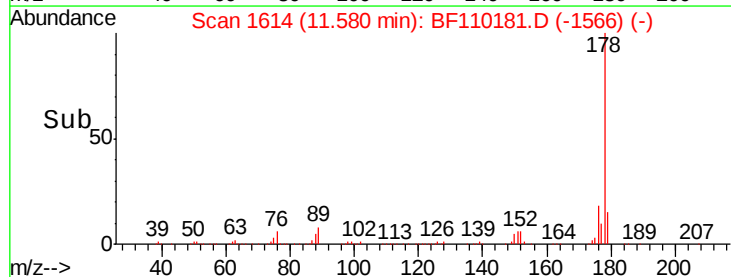
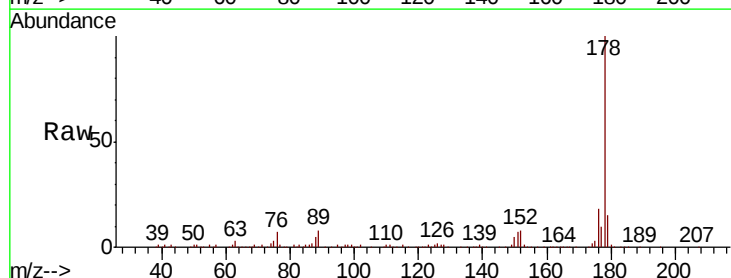
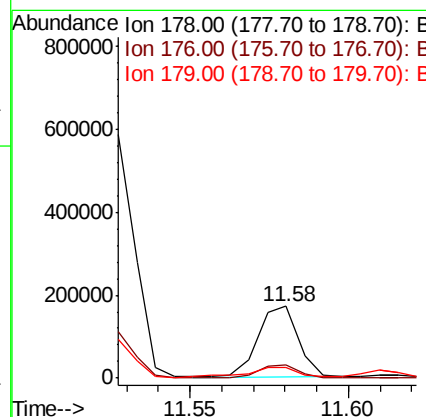
RT: 11.58 min Scan# 1614

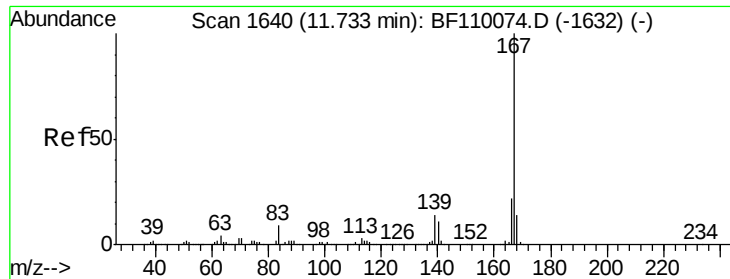
Delta R.T. -0.02 min

Lab File: BF110181.D

Acq: 26 Oct 2018 00:46

Tgt Ion:	178	Resp:	151162
Ion Ratio	Lower	Upper	
178	100		
176	18.1	15.4	23.2
179	15.3	12.6	18.8





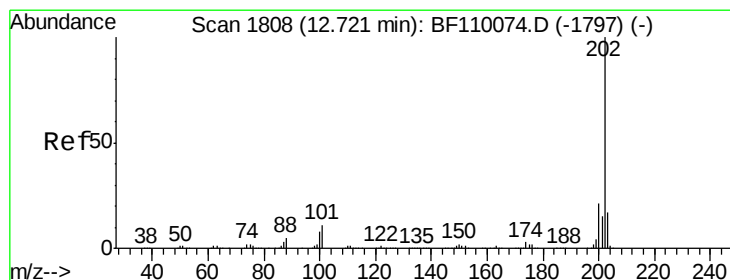
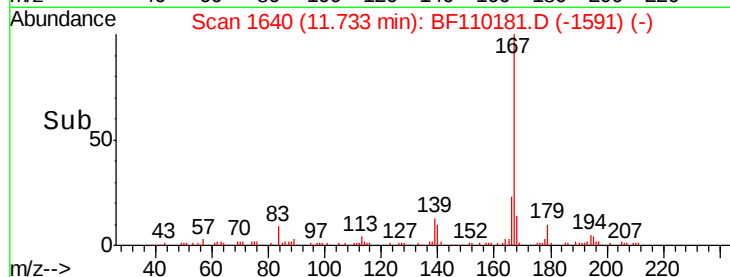
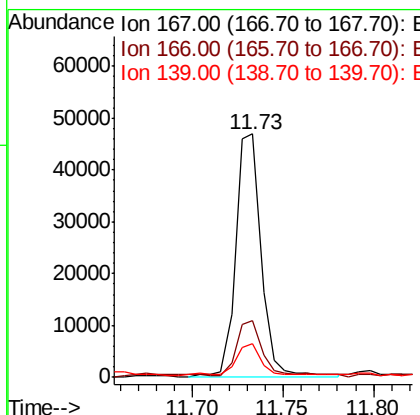
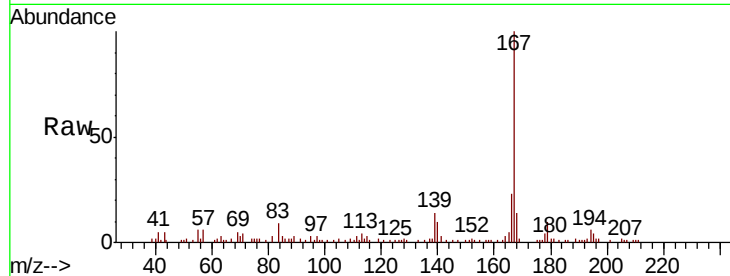
#73
 Carbazole
 Concen: 2.468 ng
 RT: 11.73 min Scan# 1640
 Delta R.T. -0.01 min
 Lab File: BF110181.D
 Acq: 26 Oct 2018 00:46

Instrument :
 BNA_F
 ClientSampleId :
 OR-02-102318-A

Tot Ion	Ion	Ratio	Resp	Lower	Upper
167	100		46484		
166	23.5	17.4	26.0		
139	14.1	10.9	16.3		

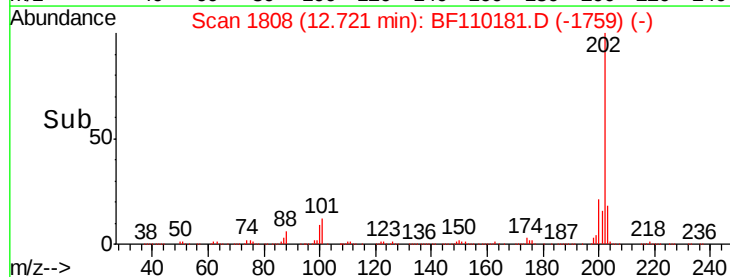
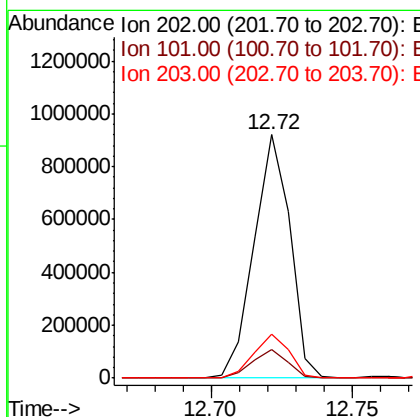
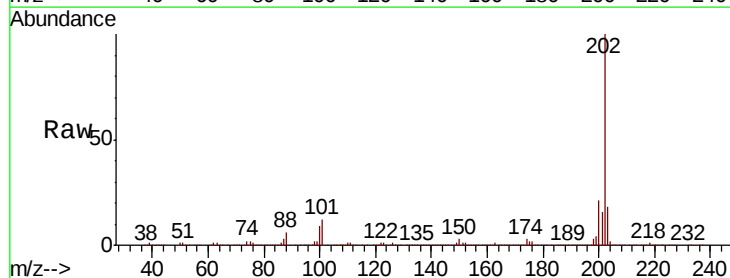
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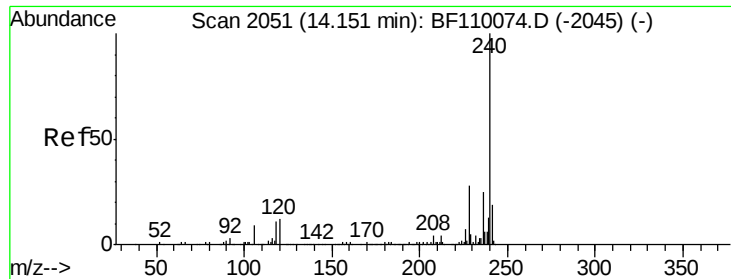
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#75
 Fluoranthene
 Concen: 41.872 ng
 RT: 12.72 min Scan# 1808
 Delta R.T. -0.01 min
 Lab File: BF110181.D
 Acq: 26 Oct 2018 00:46

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
202	100		817910		
101	11.9	0.0	31.4		
203	17.9	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: BF110181.D

Acq: 26 Oct 2018 00:46

Instrument :

BNA_F

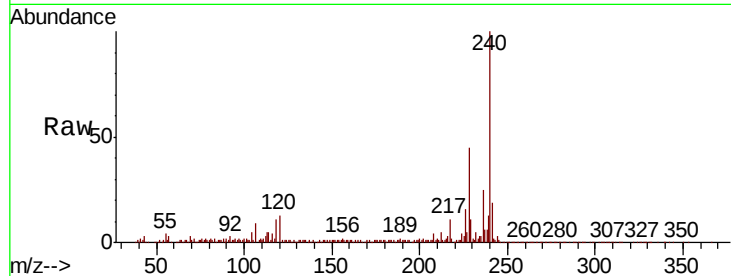
ClientSampleId :

OR-02-102318-A

Tot Ion	Ratio	Lower	Upper
240	100		
120	13.0	8.3	12.5#
236	25.1	21.2	31.8

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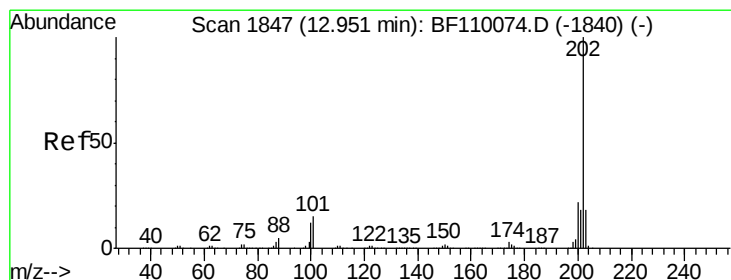
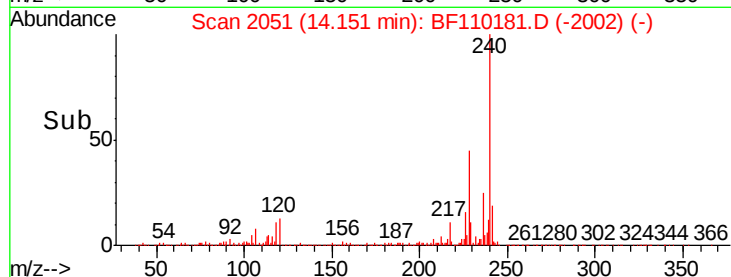
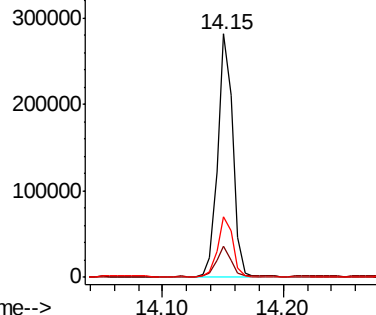


Abundance

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: 47.946 ng

RT: 12.96 min Scan# 1848

Delta R.T. -0.01 min

Lab File: BF110181.D

Acq: 26 Oct 2018 00:46

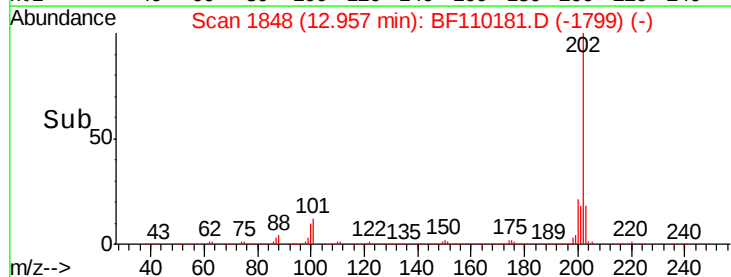
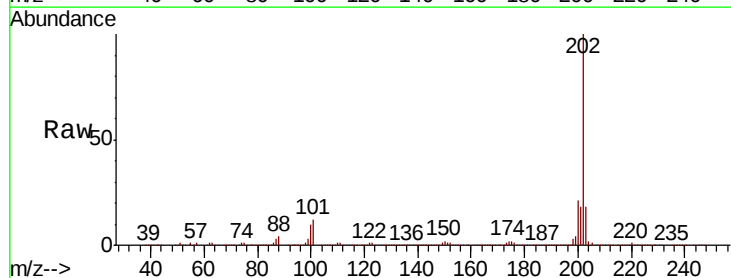
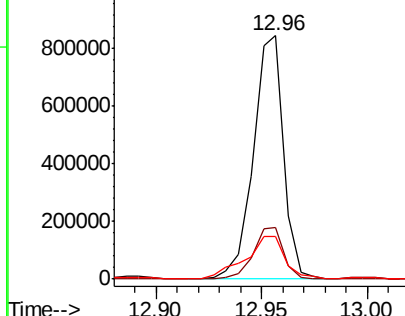
Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.0	17.8	26.6
203	17.7	14.2	21.4

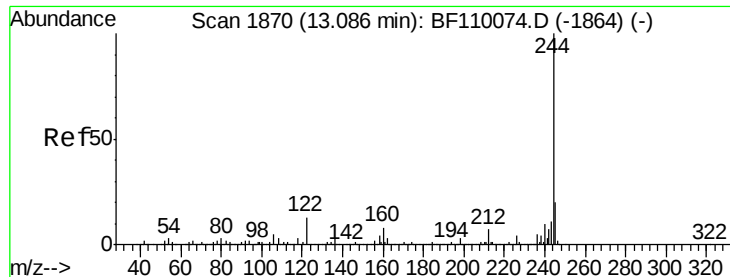
Abundance

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: 35.652 ng

RT: 13.09 min Scan# 1870

Delta R.T. -0.02 min

Lab File: BF110181.D

Acq: 26 Oct 2018 00:46

Instrument :

BNA_F

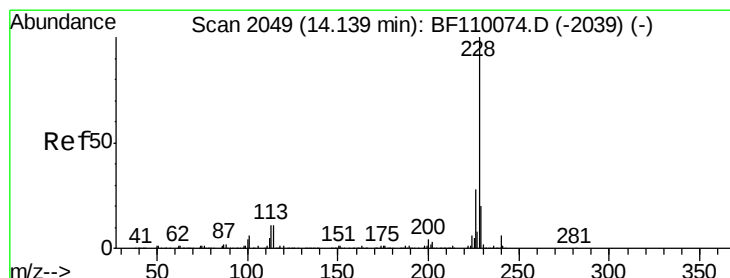
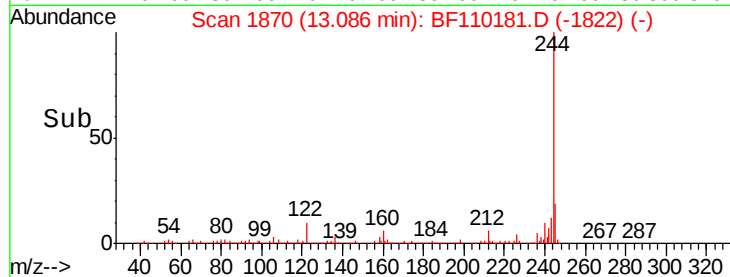
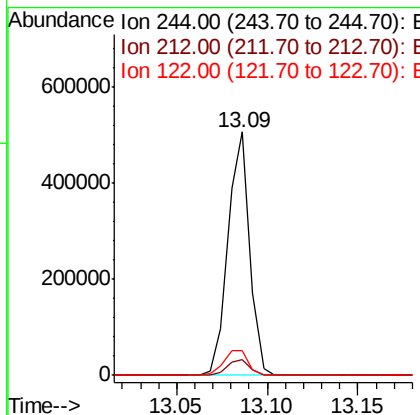
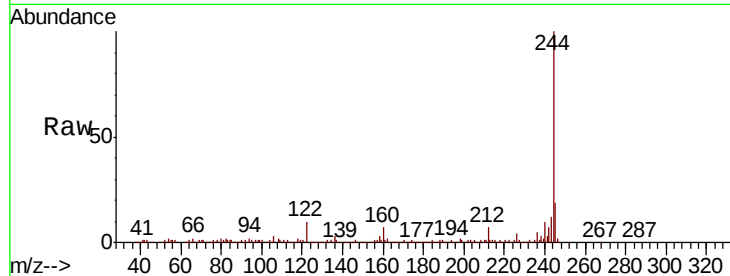
ClientSampleId :

OR-02-102318-A

Tot Ion:	244	Resp:	420450
Ion Ratio		Lower	Upper
244	100		
212	6.5	5.8	8.8
122	10.4	8.7	13.1

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#81

Benzo(a)anthracene

Concen: 28.116 ng

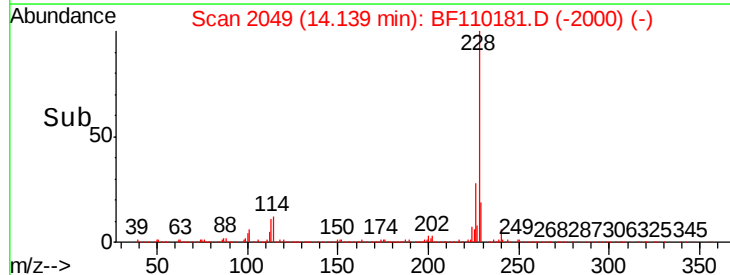
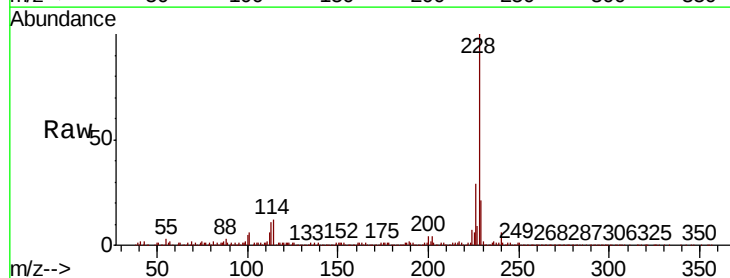
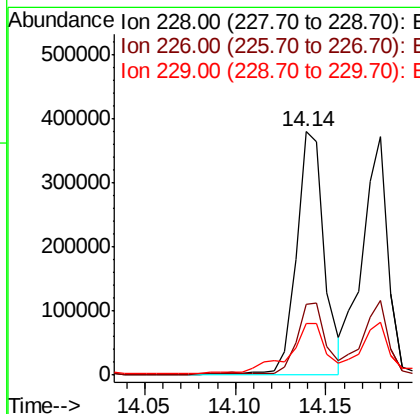
RT: 14.14 min Scan# 2049

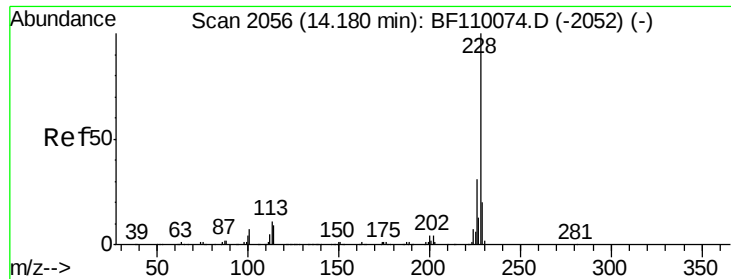
Delta R.T. -0.01 min

Lab File: BF110181.D

Acq: 26 Oct 2018 00:46

Tgt Ion:	228	Resp:	408931
Ion Ratio		Lower	Upper
228	100		
226	28.9	22.1	33.1
229	21.3	15.6	23.4





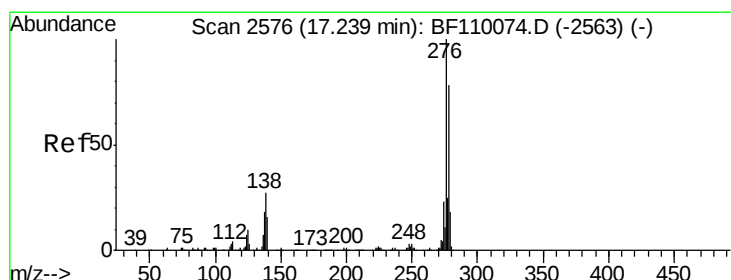
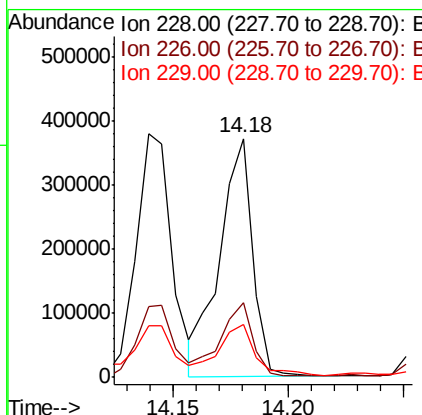
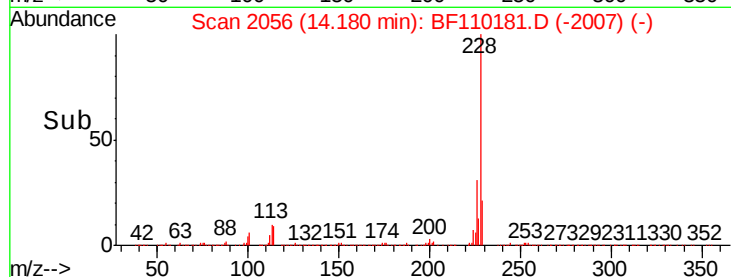
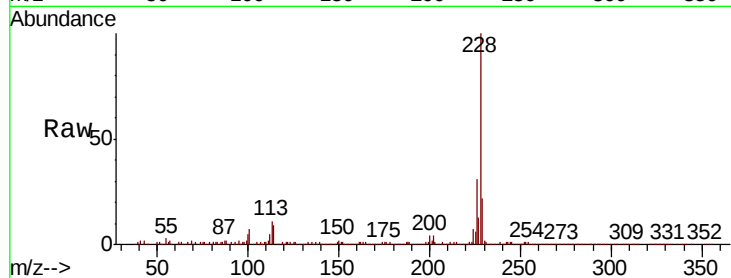
#83
Chrysene
Concen: 26.723 ng
RT: 14.18 min Scan# 2056
Delta R.T. -0.01 min
Lab File: BF110181.D
Acq: 26 Oct 2018 00:46

Instrument :
BNA_F
ClientSampleId :
OR-02-102318-A

Tot Ion	Ratio	Lower	Upper
228	100		
226	31.2	24.7	37.1
229	22.4	15.9	23.9

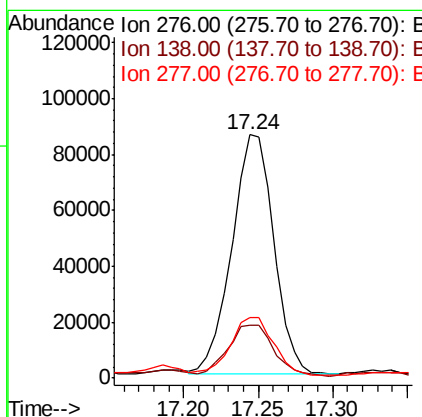
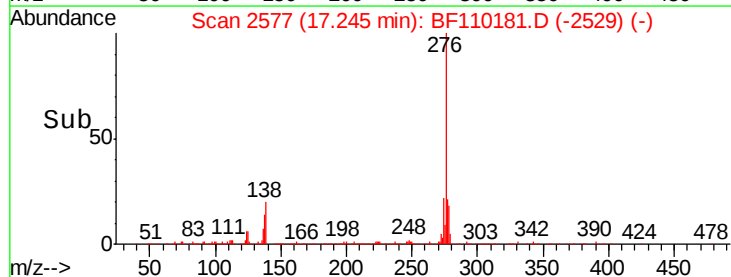
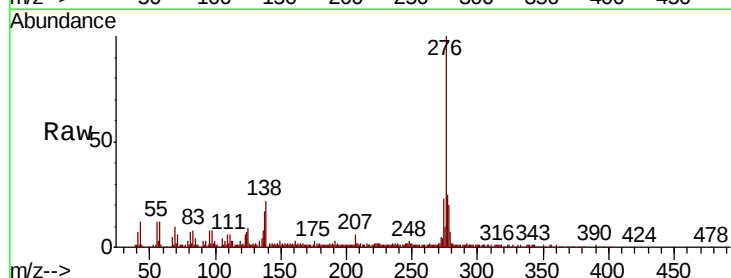
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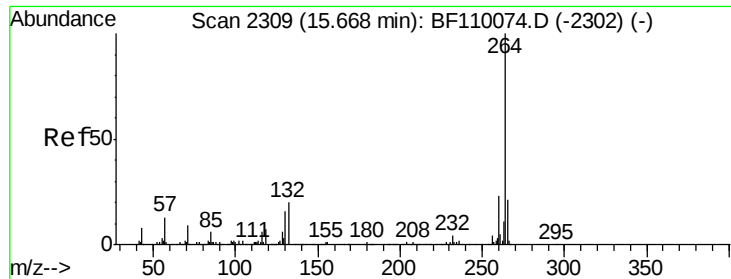
Sohil
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#86
Indeno(1,2,3-cd)pyrene
Concen: 14.635 ng
RT: 17.24 min Scan# 2577
Delta R.T. -0.02 min
Lab File: BF110181.D
Acq: 26 Oct 2018 00:46

Tgt Ion	Ratio	Lower	Upper
276	100		
138	23.2	18.5	27.7
277	24.5	20.0	30.0





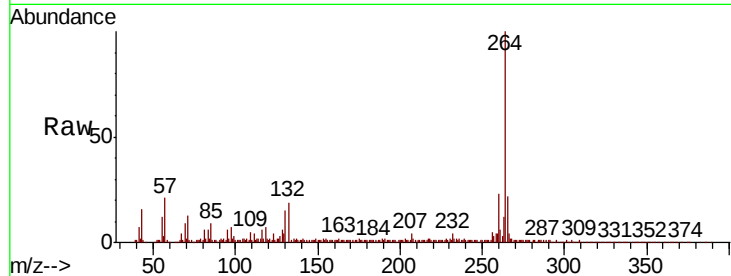
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.68 min Scan# 2311
Delta R.T. -0.01 min
Lab File: BF110181.D
Acq: 26 Oct 2018 00:46

Instrument :
BNA_F
ClientSampleId :
OR-02-102318-A

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.1	18.7	28.1
265	22.4	16.7	25.1

Manual Integrations
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10/26/2018 3:49:30 PM

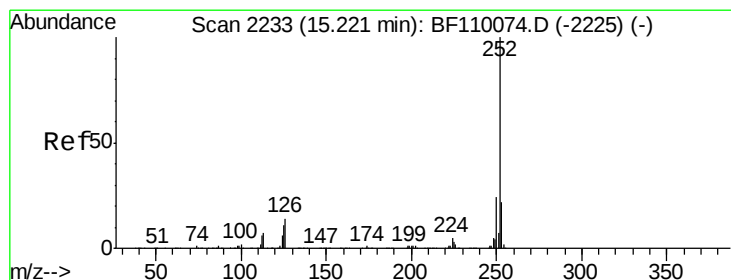
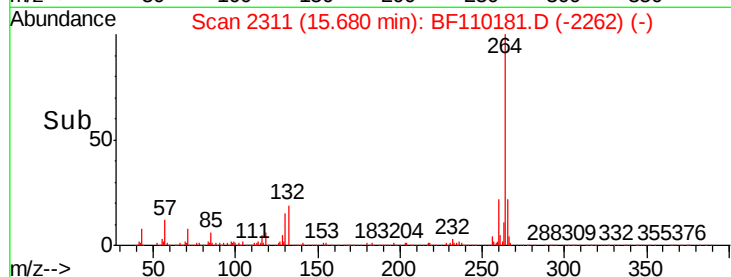
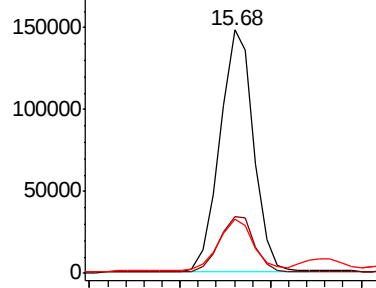


Abundance

Ion 264.00 (263.70 to 264.70): E

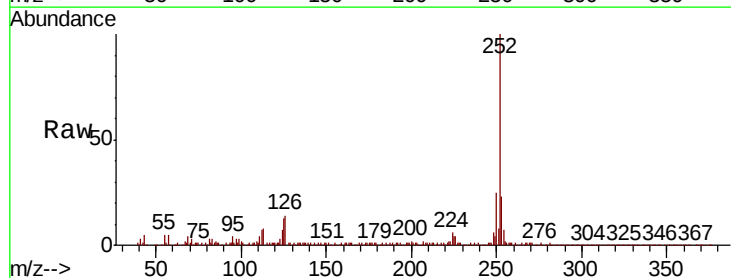
Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#88
Benzo(b)fluoranthene
Concen: 38.768 ng m
RT: 15.23 min Scan# 2234
Delta R.T. -0.01 min
Lab File: BF110181.D
Acq: 26 Oct 2018 00:46

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.2	25.8
125	13.1	8.2	12.4#

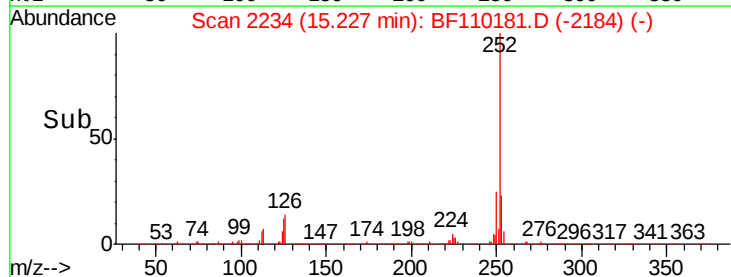
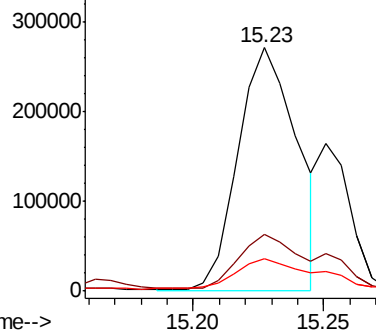


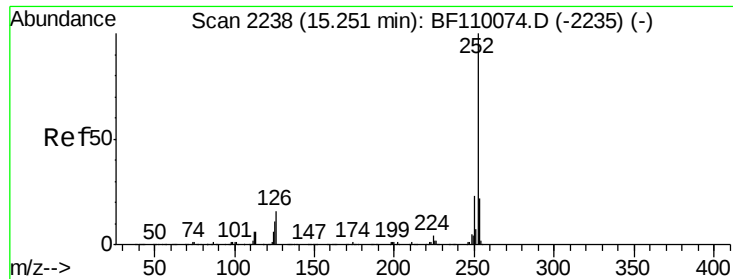
Abundance

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





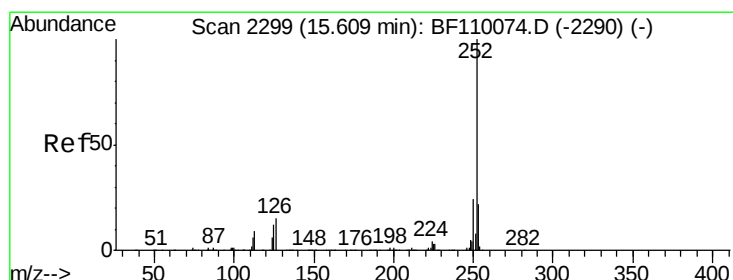
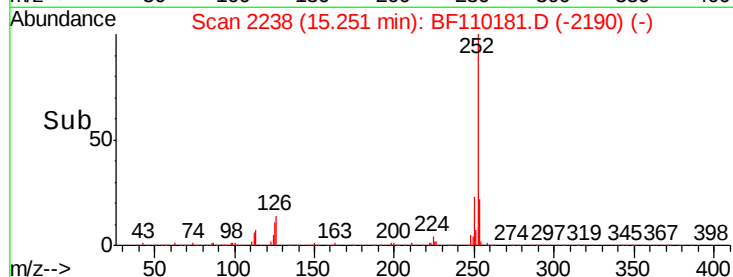
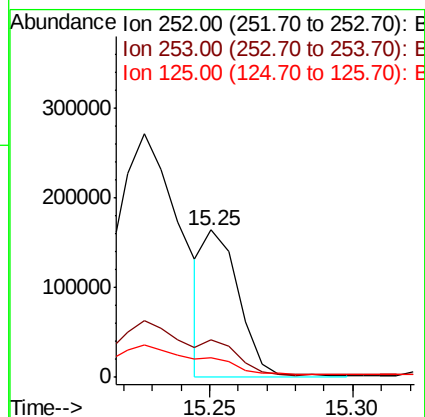
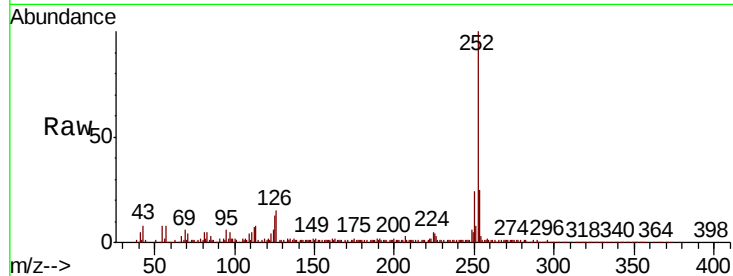
#89
Benzo(k)fluoranthene
Concen: 12.797 ng/mL
RT: 15.25 min Scan# 2238
Delta R.T. -0.02 min
Lab File: BF110181.D
Acq: 26 Oct 2018 00:46

Instrument :
BNA_F
ClientSampleId :
OR-02-102318-A

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.3	17.2	25.8
125	13.3	7.4	11.0

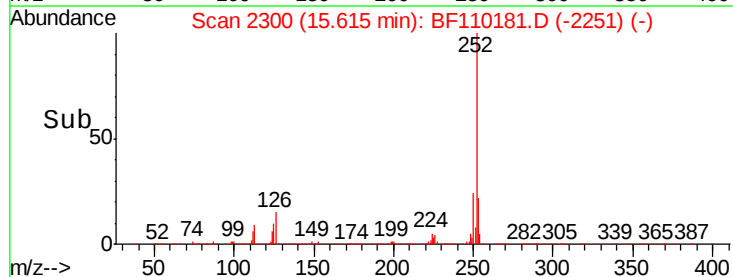
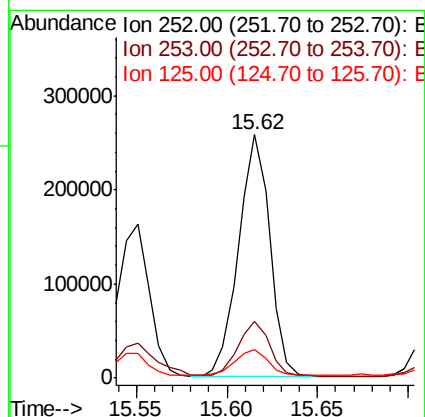
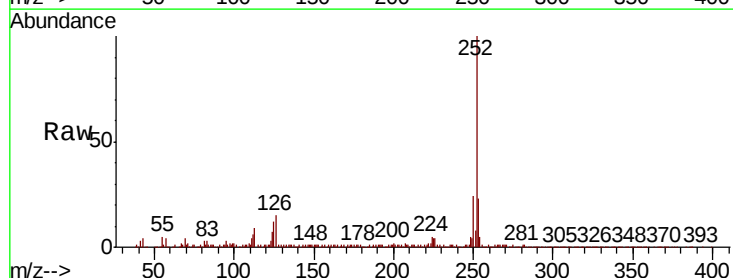
Manual Integrations
APPROVED

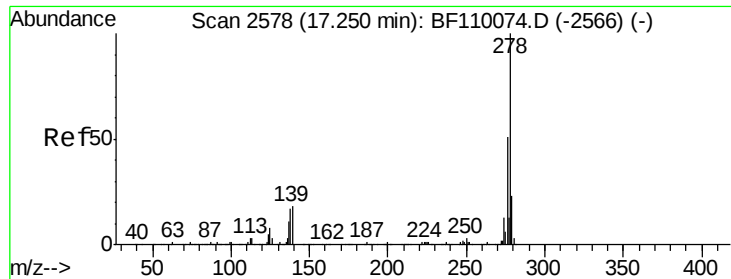
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#90
Benzo(a)pyrene
Concen: 30.477 ng/mL
RT: 15.62 min Scan# 2300
Delta R.T. -0.01 min
Lab File: BF110181.D
Acq: 26 Oct 2018 00:46

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.4	18.2	27.4
125	11.9	9.0	13.6





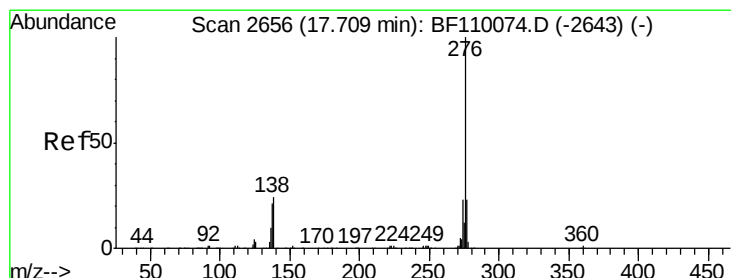
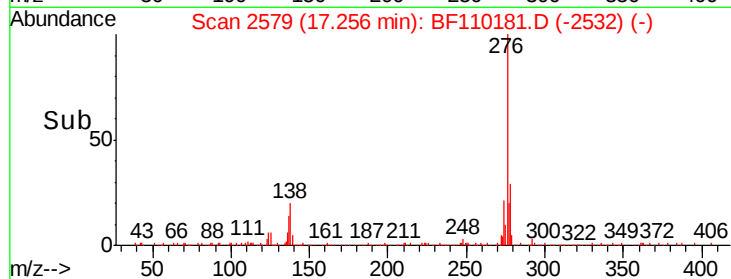
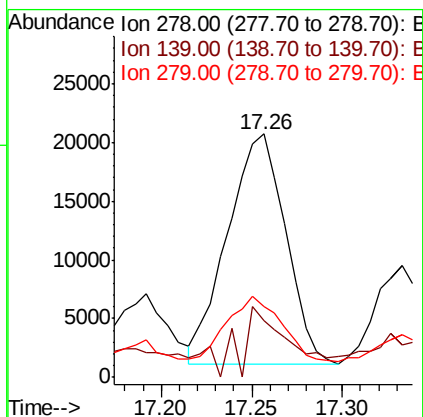
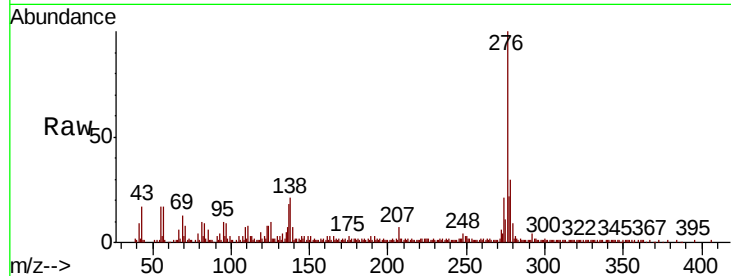
#91
Dibenzo(a,h)anthracene
Concen: 4.975 ng
RT: 17.26 min Scan# 2579
Delta R.T. -0.02 min
Lab File: BF110181.D
Acq: 26 Oct 2018 00:46

Instrument :
BNA_F
ClientSampleId :
OR-02-102318-A

Tot Ion	Ratio	Lower	Upper
278	100		
139	23.1	12.7	19.1#
279	29.3	19.0	28.4#

Manual Integrations
APPROVED

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#92
Benzo(g,h,i)perylene
Concen: 18.236 ng
RT: 17.72 min Scan# 2658
Delta R.T. -0.02 min
Lab File: BF110181.D
Acq: 26 Oct 2018 00:46

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.9	18.8	28.2
138	23.3	16.0	24.0

