

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF112618\
 Data File : BF110977.D
 Acq On : 26 Nov 2018 21:28
 Operator : JU/SJ
 Sample : J5770-07 2X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OR-02-112118-B

Manual Integrations
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 11/27/2018 11:48:01 AM

Quant Time: Nov 27 03:57:52 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF112618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Nov 26 15:26:09 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.94	152	57753	20.00	ng	0.00
21) Naphthalene-d8	8.22	136	218096	20.00	ng	0.00
39) Acenaphthene-d10	9.98	164	84979	20.00	ng	0.00
64) Phenanthrene-d10	11.47	188	149485	20.00	ng	0.00
76) Chrysene-d12	14.13	240	101095	20.00	ng	0.00
87) Perylene-d12	15.67	264	75298	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.56	112	171272	49.18	ng	0.00
7) Phenol-d6	6.56	99	211327	46.56	ng	0.00
23) Nitrobenzene-d5	7.50	82	119751	31.42	ng	0.00
42) 2,4,6-Tribromophenol	10.78	330	35941	42.59	ng	0.00
45) 2-Fluorobiphenyl	9.29	172	201772	34.40	ng	0.00
79) Terphenyl-d14	13.06	244	169677	32.67	ng	0.00
Target Compounds						
10) Phenol	6.58	94	11301	2.211	ng	91
50) Dimethylphthalate	9.69	163	27046	4.340	ng	# 99
52) Acenaphthene	10.02	154	23222	4.485	ng	97
55) Dibenzofuran	10.19	168	21553	2.853	ng	95
58) Fluorene	10.53	166	37536	6.386	ng	96
71) Phenanthrene	11.50	178	272683	34.442	ng	99
72) Anthracene	11.56	178	80975	10.043	ng	98
73) Carbazole	11.72	167	16562	2.116	ng	96
75) Fluoranthene	12.70	202	260345	31.995	ng	99
78) Pyrene	12.93	202	233006	31.557	ng	98
81) Benzo(a)anthracene	14.12	228	74945	12.557	ng	97
83) Chrysene	14.16	228	66608	11.337	ng	99
86) Indeno(1,2,3-cd)pyrene	17.27	276	24583	5.829	ng	98
88) Benzo(b)fluoranthene	15.22	252	57099m	12.908	ng	
89) Benzo(k)fluoranthene	15.24	252	21289m	4.676	ng	
90) Benzo(a)pyrene	15.61	252	44158	10.724	ng	# 96
92) Benzo(a,h,i)perylene	17.76	276	25801	7.877	ng	# 84

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

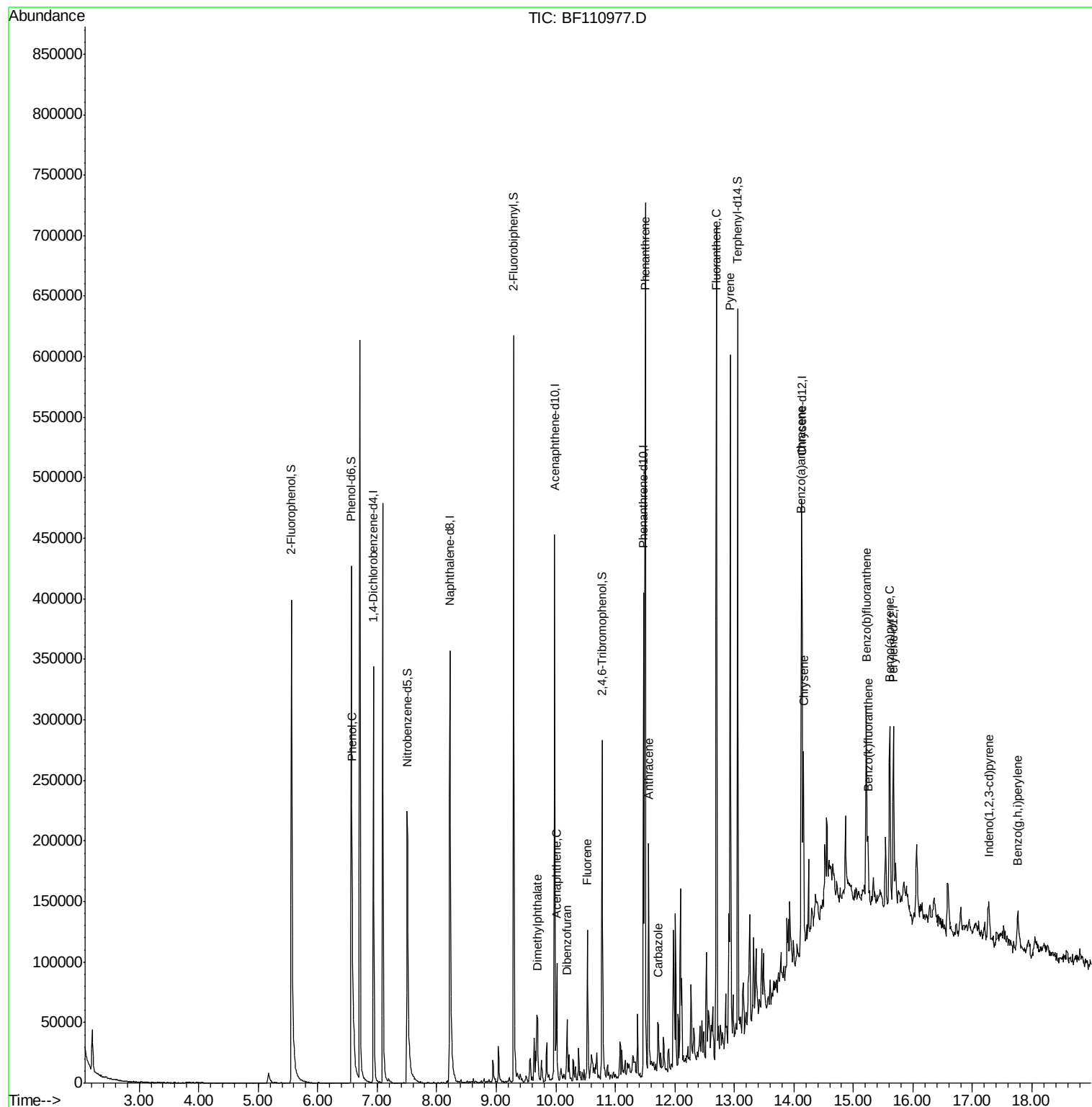
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF112618\
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Sample : J5770-07 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

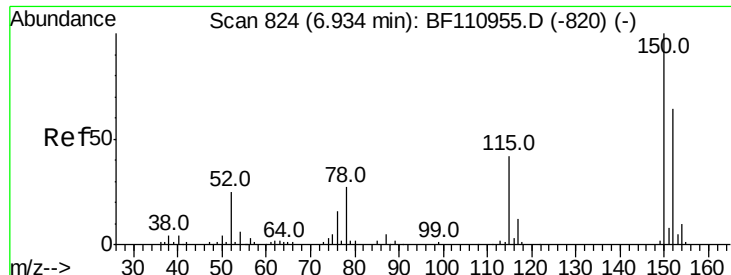
Instrument :
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OR-02-112118-B

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#1

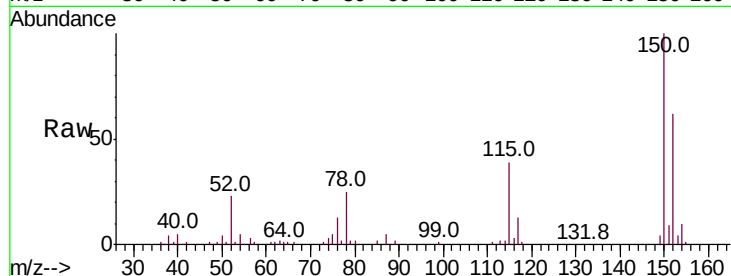
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.94 min Scan# 825
Delta R.T. 0.01 min
Lab File: BF110977.D
Acq: 26 Nov 2018 21:28

Instrument :
BNA_F
ClientSampleId :
OR-02-112118-B

Tot Ion	Ratio	Lower	Upper
152	100		
150	161.3	122.7	184.1
115	63.6	49.1	73.7

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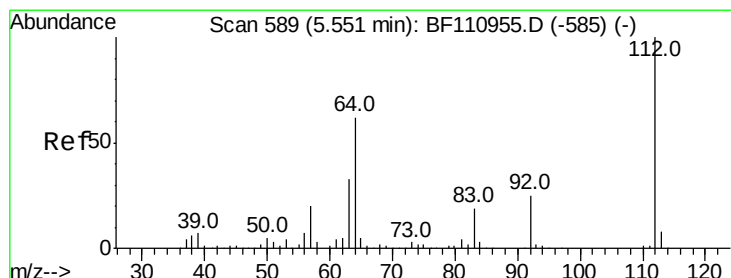
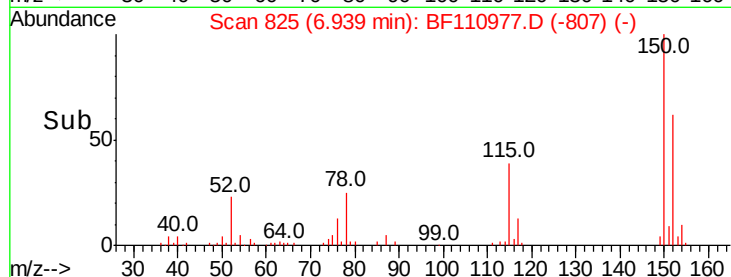
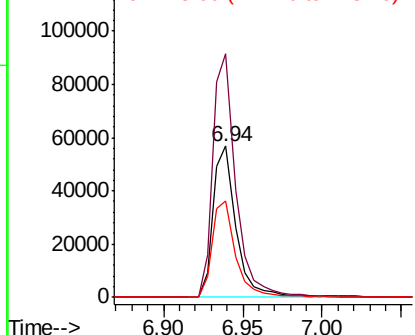


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

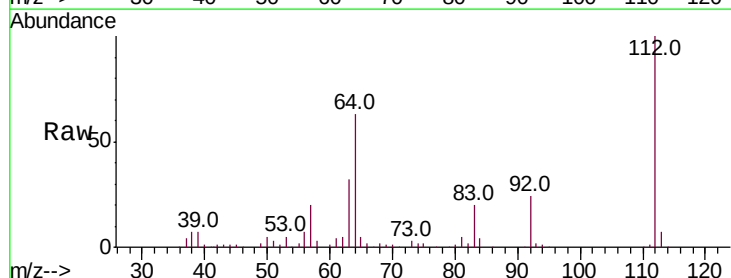
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 49.179 ng
RT: 5.56 min Scan# 590
Delta R.T. 0.01 min
Lab File: BF110977.D
Acq: 26 Nov 2018 21:28

Tgt Ion	Ratio	Lower	Upper
112	100		
64	62.7	44.1	66.1
63	32.0	23.7	35.5

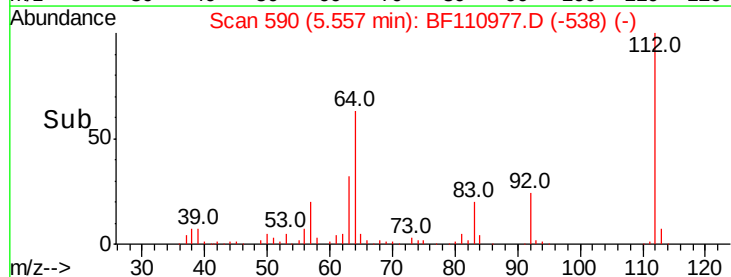
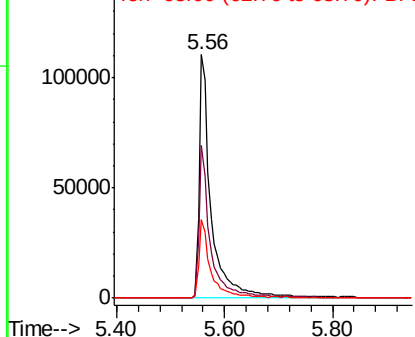


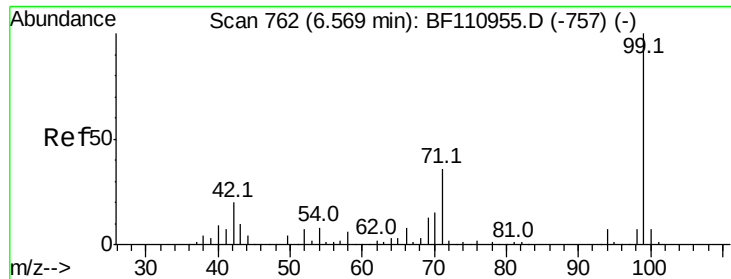
Abundance

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: 46.564 ng

RT: 6.56 min Scan# 761

Delta R.T. -0.01 min

Lab File: BF110977.D

Acq: 26 Nov 2018 21:28

Instrument :

BNA_F

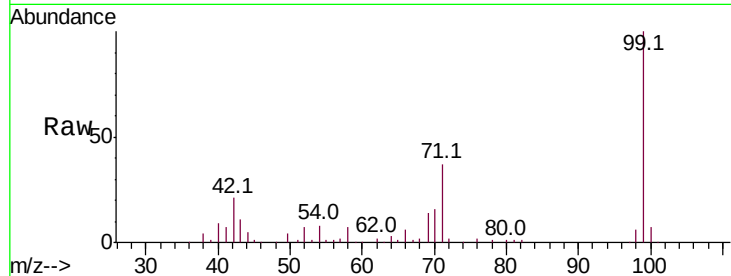
ClientSampleId :

OR-02-112118-B

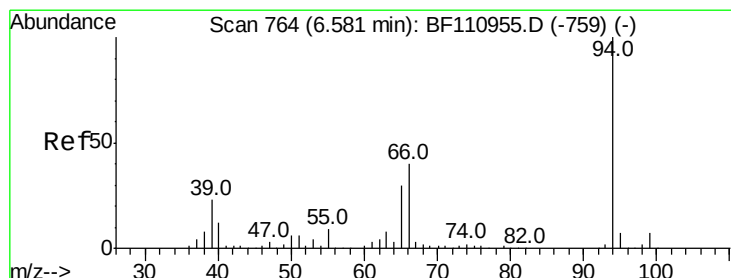
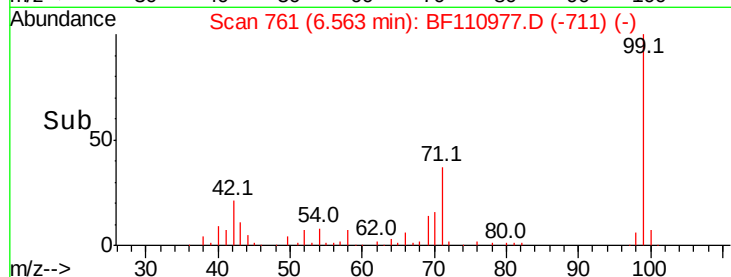
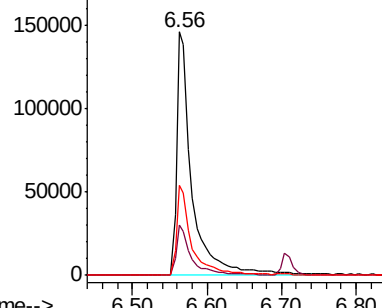
Tot Ion:	99	Resp:	211327
Ion Ratio	Lower	Upper	
99	100		
42	20.8	15.8	23.6
71	37.0	28.0	42.0

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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: 2.211 ng

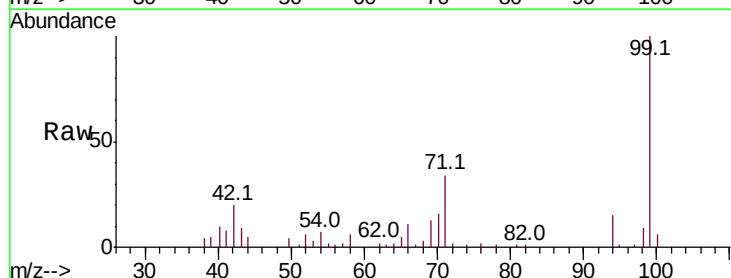
RT: 6.58 min Scan# 764

Delta R.T. -0.00 min

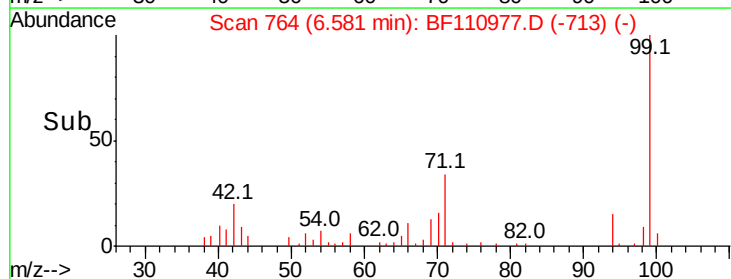
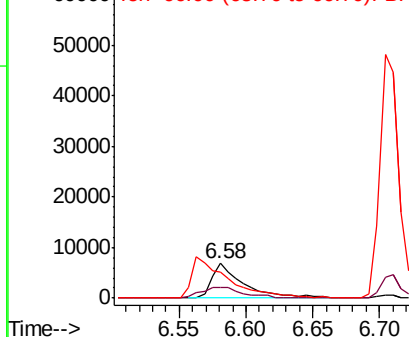
Lab File: BF110977.D

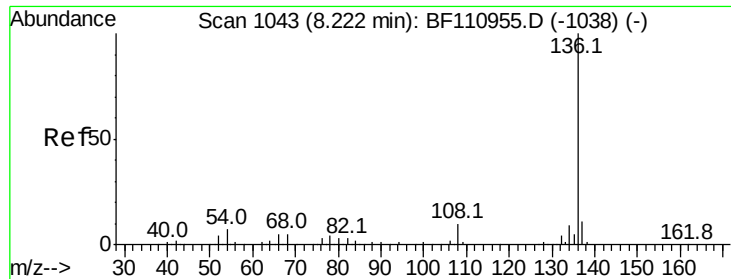
Acq: 26 Nov 2018 21:28

Tgt Ion:	94	Resp:	11301
Ion Ratio	Lower	Upper	
94	100		
65	30.6	25.3	65.3
66	74.3	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





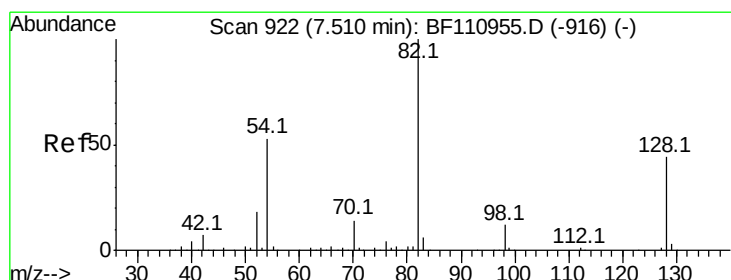
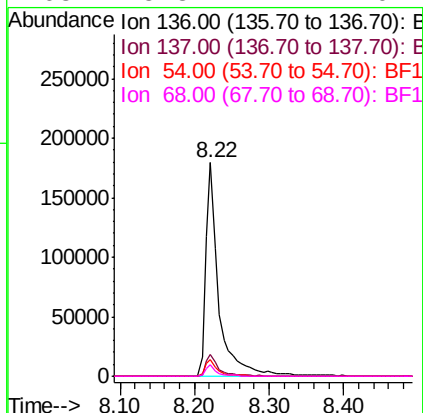
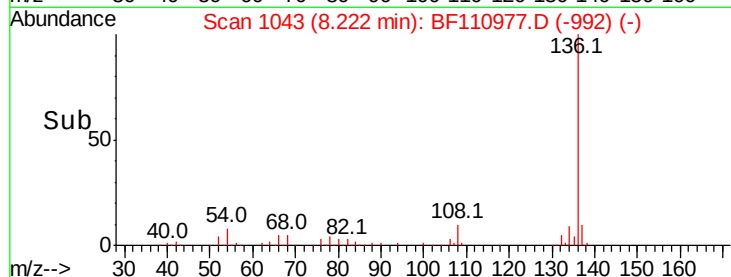
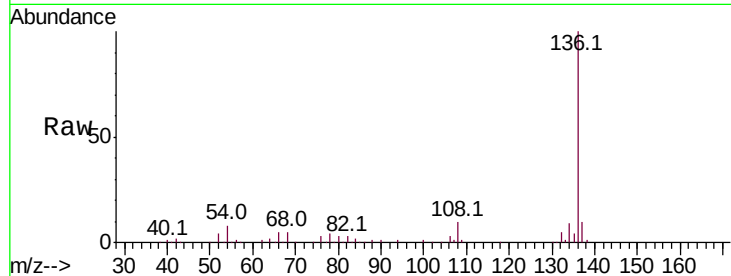
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.22 min Scan# 1043
Delta R.T. -0.00 min
Lab File: BF110977.D
Acq: 26 Nov 2018 21:28

Instrument :
BNA_F
ClientSampleId :
OR-02-112118-B

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	10.4	8.8	13.2	
54	7.9	5.4	8.2	
68	5.3	4.2	6.2	

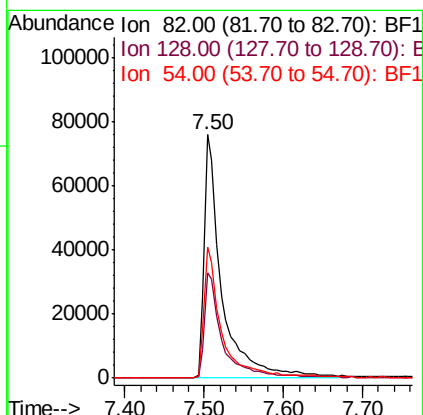
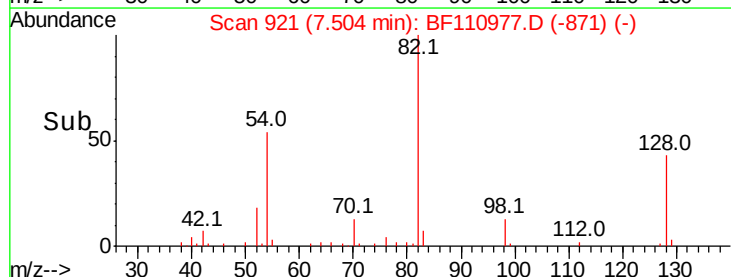
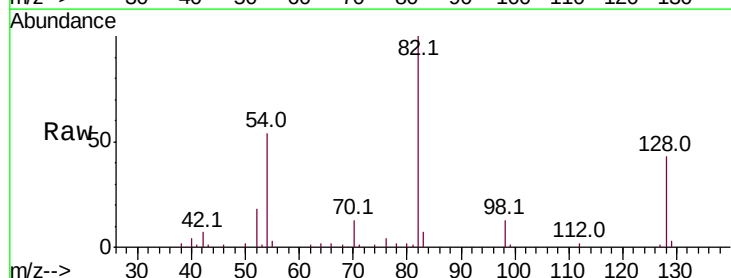
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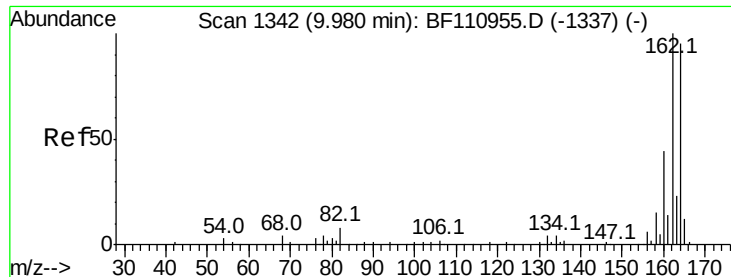
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#23
Nitrobenzene-d5
Concen: 31.424 ng
RT: 7.50 min Scan# 921
Delta R.T. -0.01 min
Lab File: BF110977.D
Acq: 26 Nov 2018 21:28

Tgt Ion	Ratio	Resp	Lower	Upper
82	100			
128	43.3	34.2	51.2	
54	54.0	38.6	58.0	





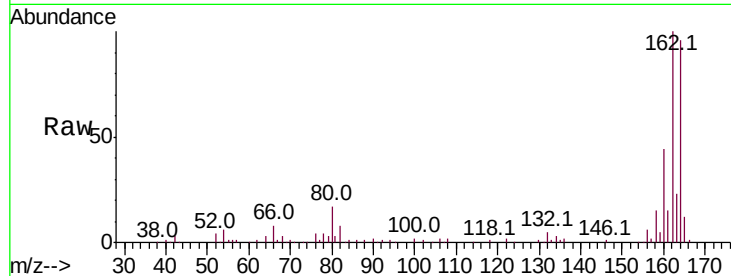
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.98 min Scan# 1342
Delta R.T. -0.00 min
Lab File: BF110977.D
Acq: 26 Nov 2018 21:28

Instrument :
BNA_F
ClientSampleId :
OR-02-112118-B

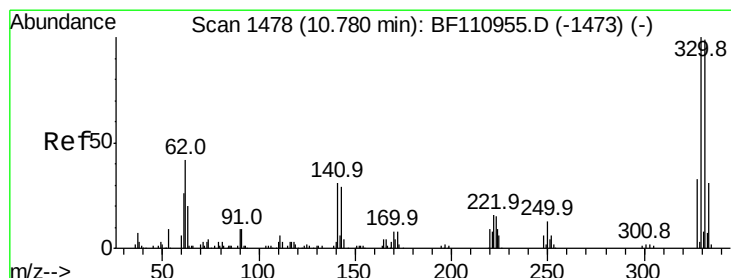
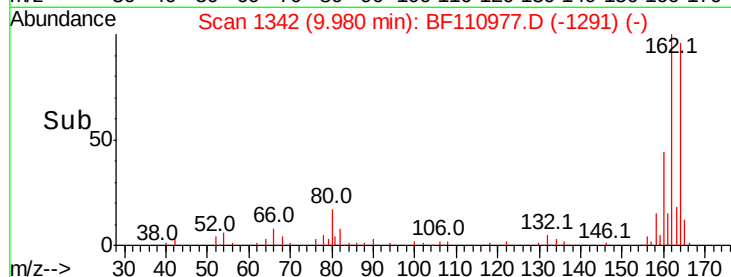
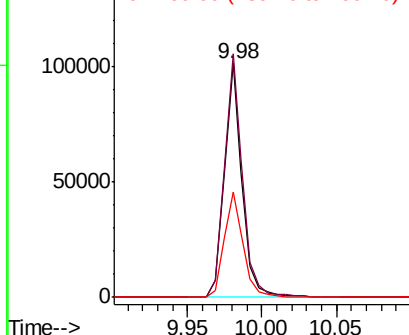
Tot Ion	Ratio	Lower	Upper
164	100		
162	103.9	83.0	124.6
160	45.2	37.0	55.6

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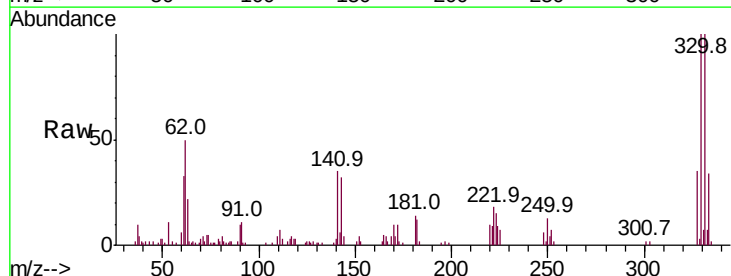


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

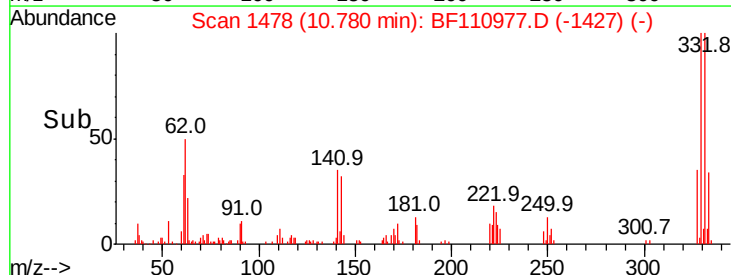
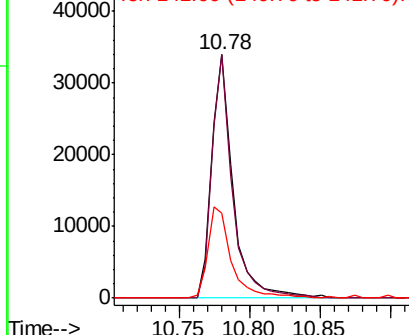


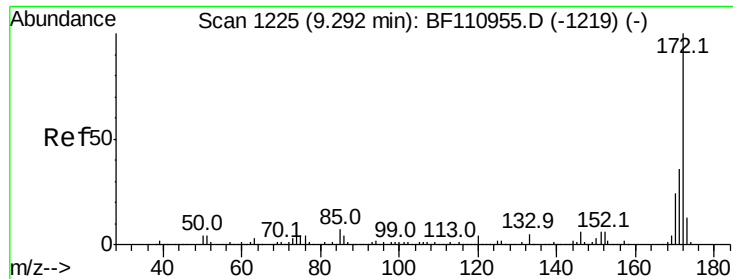
#42
2,4,6-Tribromophenol
Concen: 42.586 ng
RT: 10.78 min Scan# 1478
Delta R.T. -0.00 min
Lab File: BF110977.D
Acq: 26 Nov 2018 21:28

Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.4	77.1	115.7
141	41.1	27.0	40.4#



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





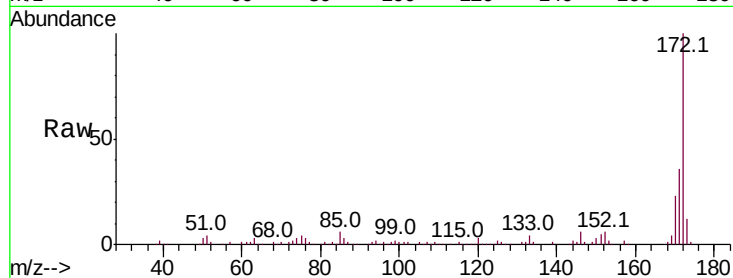
#45
2-Fluorobiphenyl
Concen: 34.399 ng
RT: 9.29 min Scan# 1225
Delta R.T. -0.00 min
Lab File: BF110977.D
Acq: 26 Nov 2018 21:28

Instrument :
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Tot Ion	Ratio	Resp	Lower	Upper
172	100	201772		
171	35.7		28.6	43.0
170	22.9		19.7	29.5

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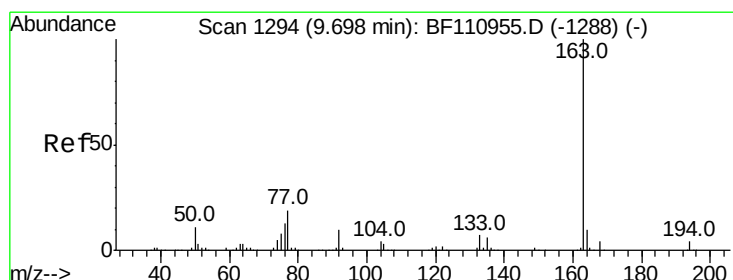
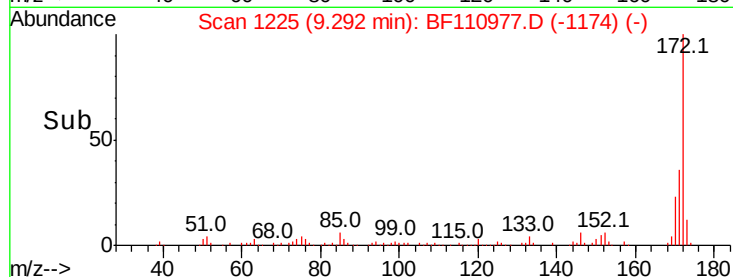
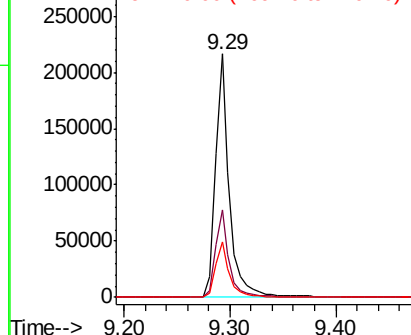


Abundance

Ion 172.00 (171.70 to 172.70): E

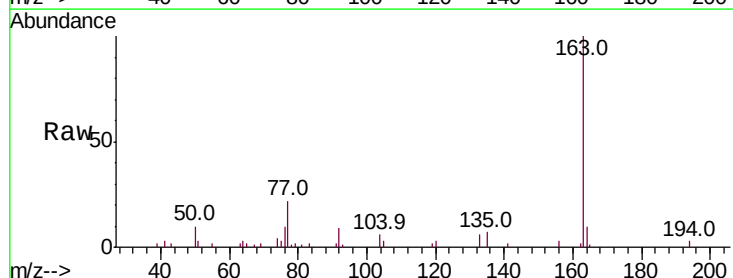
Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#50
Dimethylphthalate
Concen: 4.340 ng
RT: 9.69 min Scan# 1292
Delta R.T. -0.01 min
Lab File: BF110977.D
Acq: 26 Nov 2018 21:28

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	27046		
194	3.1		3.2	4.8#
164	9.8		8.1	12.1

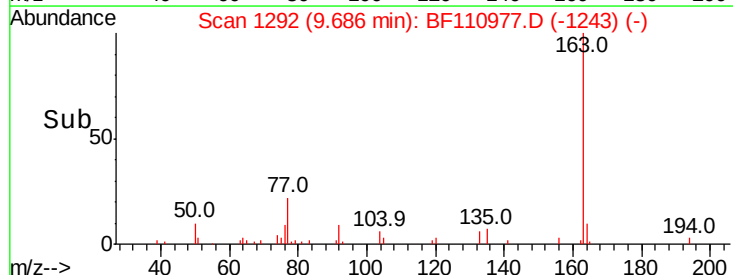
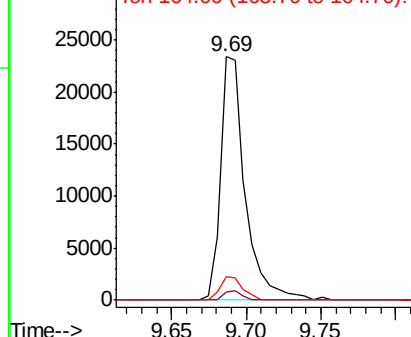


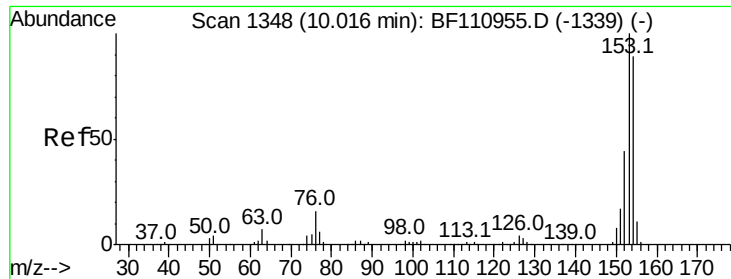
Abundance

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





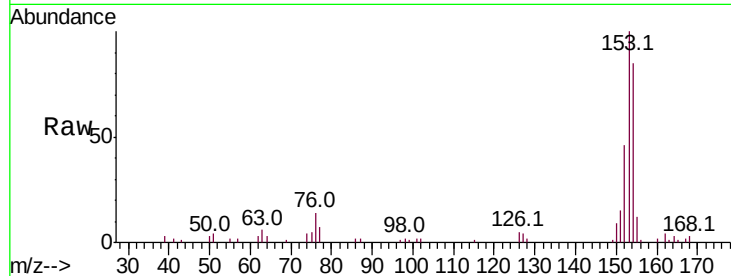
#52
Acenaphthene
Concen: 4.485 ng
RT: 10.02 min Scan# 1348
Delta R.T. -0.00 min
Lab File: BF110977.D
Acq: 26 Nov 2018 21:28

Instrument :
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OR-02-112118-B

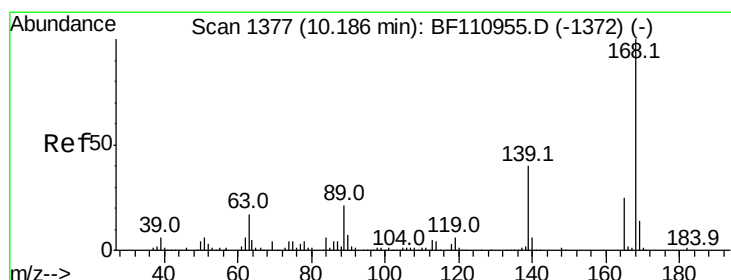
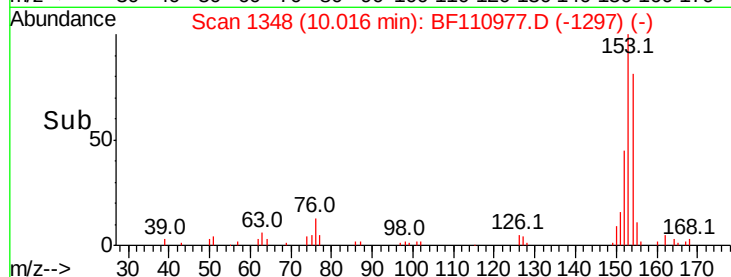
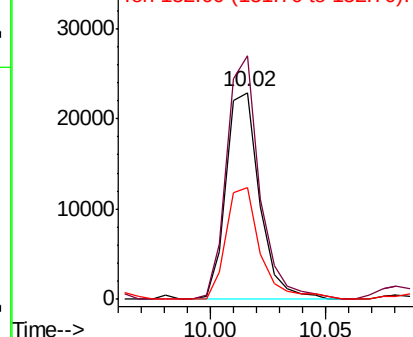
Tot Ion	Ratio	Lower	Upper
154	100		
153	117.5	90.1	135.1
152	53.9	43.4	65.2

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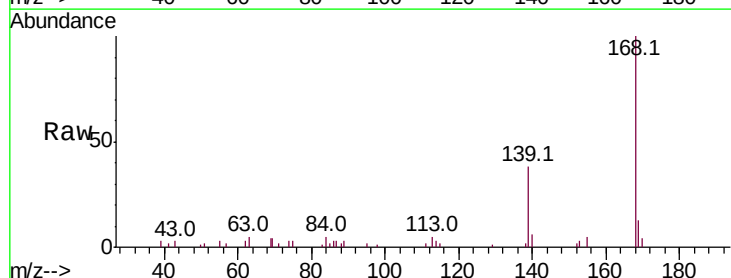


Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E

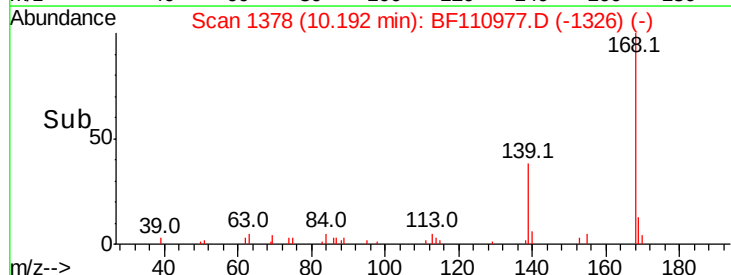
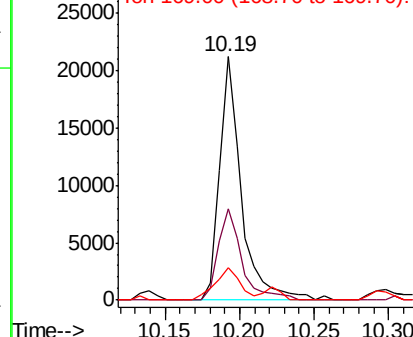


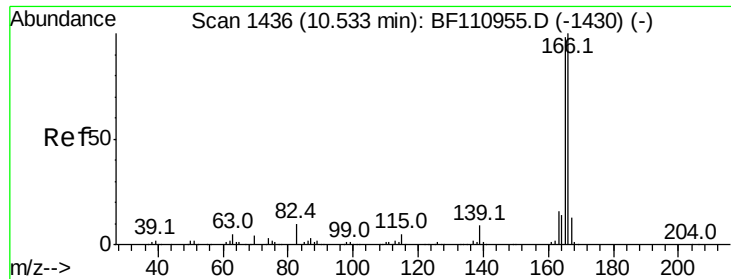
#55
Dibenzofuran
Concen: 2.853 ng
RT: 10.19 min Scan# 1378
Delta R.T. 0.01 min
Lab File: BF110977.D
Acq: 26 Nov 2018 21:28

Tgt Ion	Ratio	Lower	Upper
168	100		
139	37.5	33.0	49.6
169	13.3	11.3	16.9



Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E





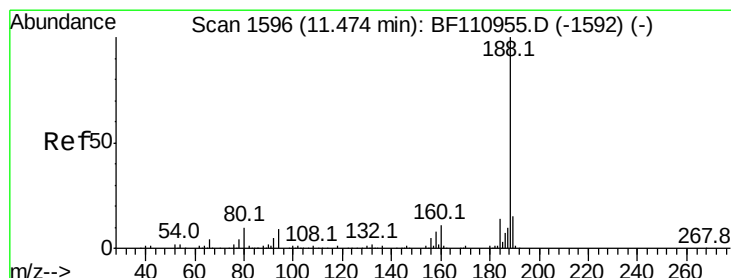
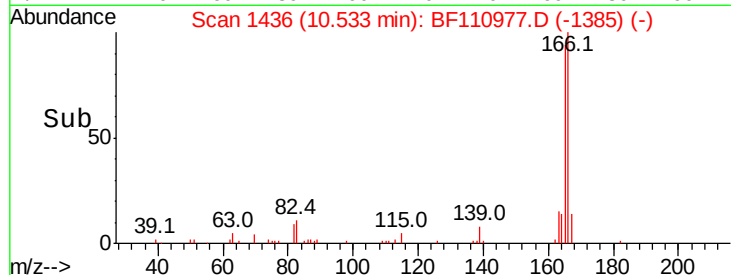
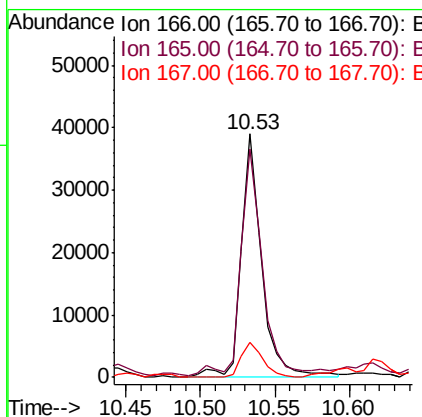
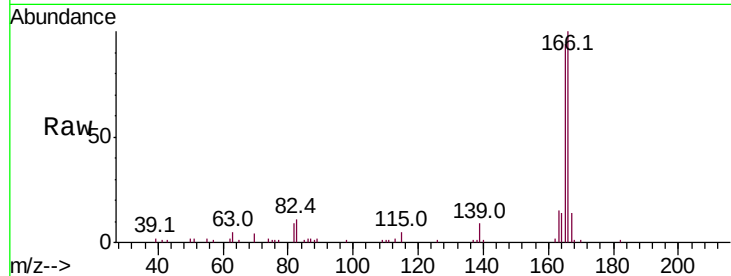
#58
 Fluorene
 Concen: 6.386 ng
 RT: 10.53 min Scan# 1436
 Delta R.T. -0.00 min
 Lab File: BF110977.D
 Acq: 26 Nov 2018 21:28

Instrument :
 BNA_F
 ClientSampleId :
 OR-02-112118-B

Tot Ion	Ratio	Lower	Upper
166	100		
165	93.7	78.6	117.8
167	14.1	10.8	16.2

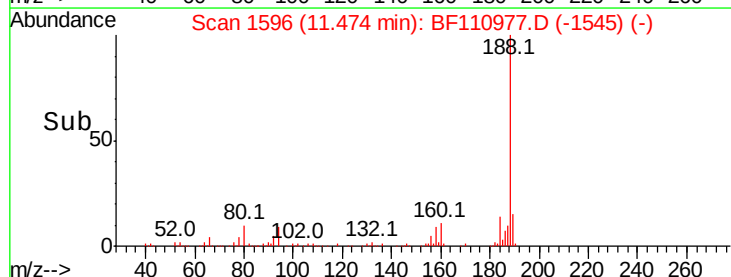
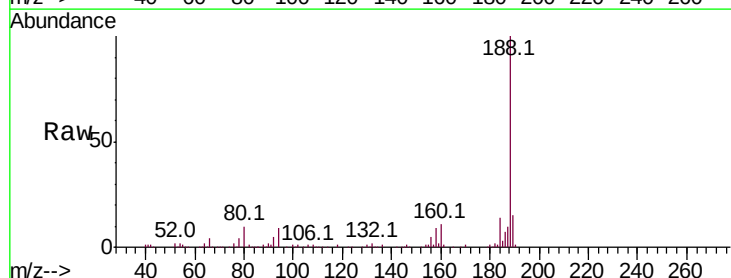
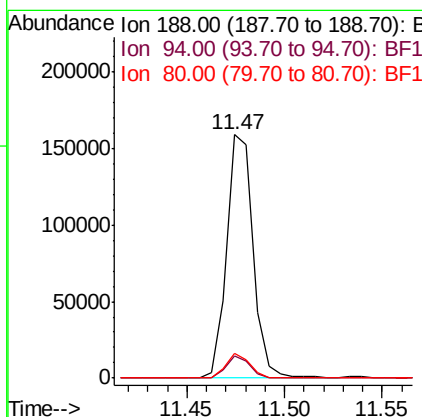
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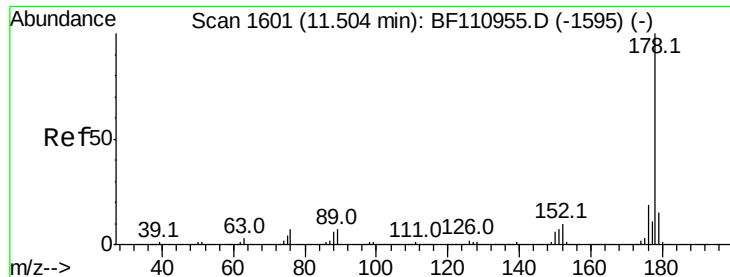
mohammad
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#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.47 min Scan# 1596
 Delta R.T. -0.00 min
 Lab File: BF110977.D
 Acq: 26 Nov 2018 21:28

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.9	7.2	10.8
80	10.3	7.9	11.9





#71

Phenanthrene

Concen: 34.442 ng

RT: 11.50 min Scan# 1601

Delta R.T. -0.00 min

Lab File: BF110977.D

Acq: 26 Nov 2018 21:28

Instrument :

BNA_F

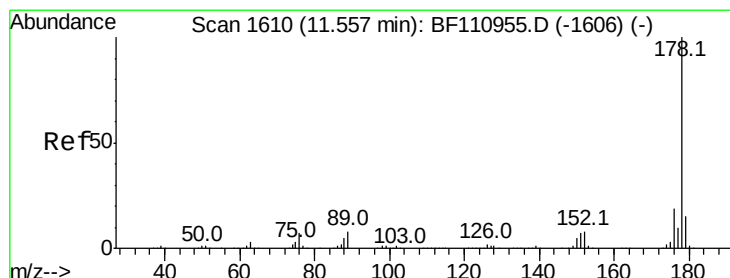
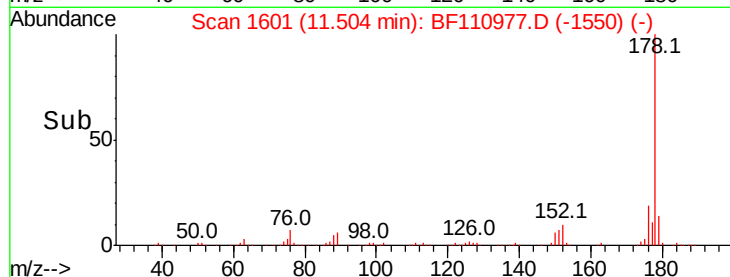
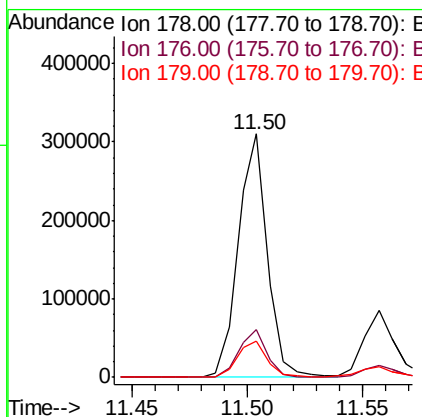
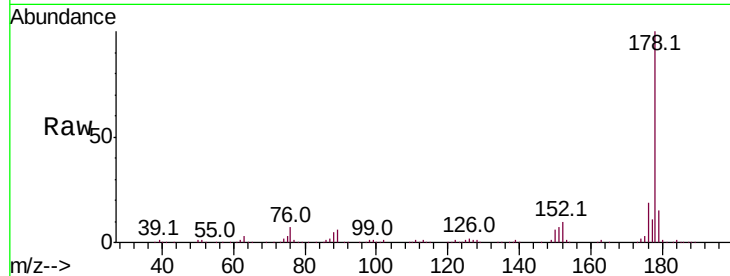
ClientSampleId :

OR-02-112118-B

Tot Ion:	178	Resp:	272683
Ion Ratio	Lower	Upper	
178	100		
176	19.5	15.5	23.3
179	14.6	12.5	18.7

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#72

Anthracene

Concen: 10.043 ng

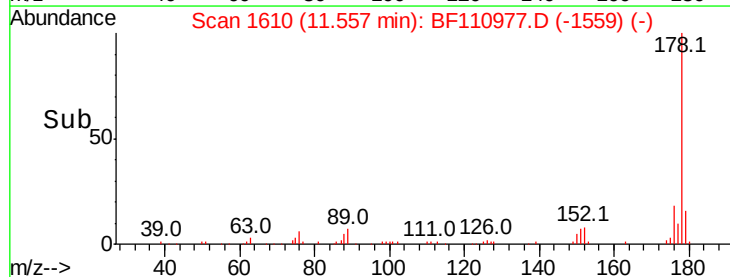
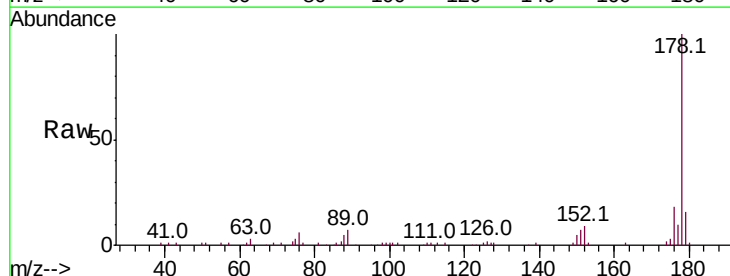
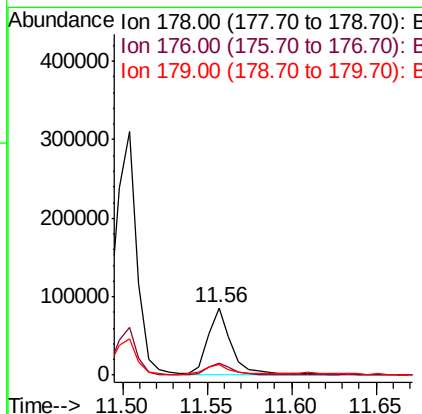
RT: 11.56 min Scan# 1610

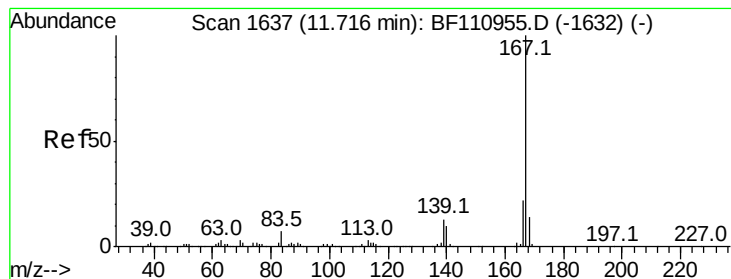
Delta R.T. -0.00 min

Lab File: BF110977.D

Acq: 26 Nov 2018 21:28

Tgt Ion:	178	Resp:	80975
Ion Ratio	Lower	Upper	
178	100		
176	17.6	15.4	23.2
179	15.8	12.6	18.8





#73

Carbazole

Concen: 2.116 ng

RT: 11.72 min Scan# 1638

Delta R.T. 0.01 min

Lab File: BF110977.D

Acq: 26 Nov 2018 21:28

Instrument :

BNA_F

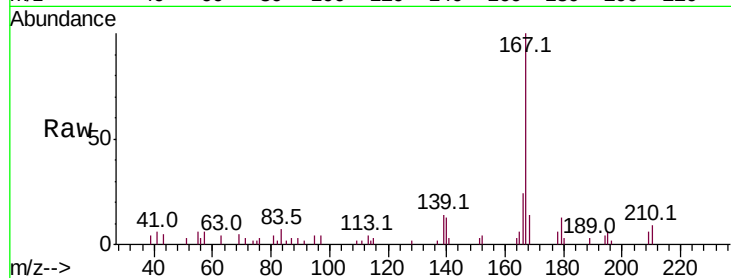
ClientSampleId :

OR-02-112118-B

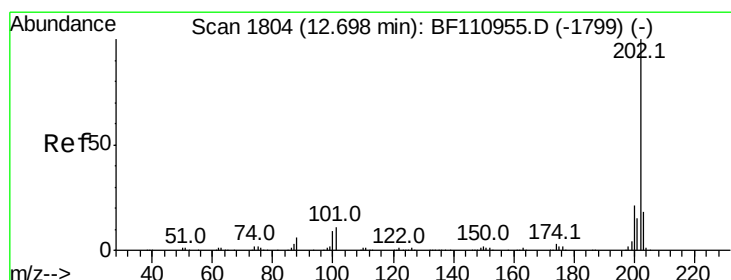
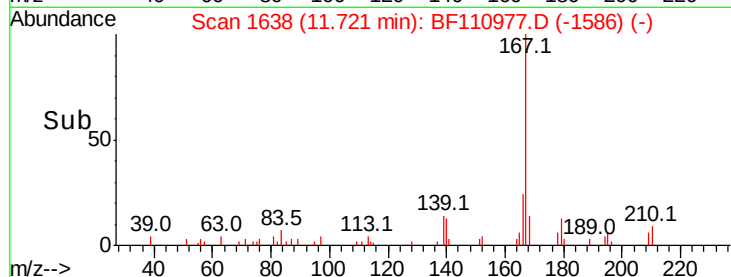
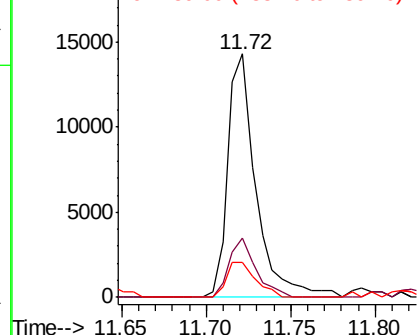
Tot Ion:	167	Resp:	16562
Ion Ratio	Lower	Upper	
167	100		
166	24.4	17.4	26.0
139	14.5	10.9	16.3

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Abundance Ion 167.00 (166.70 to 167.70): E
Ion 166.00 (165.70 to 166.70): E
Ion 139.00 (138.70 to 139.70): E



#75

Fluoranthene

Concen: 31.995 ng

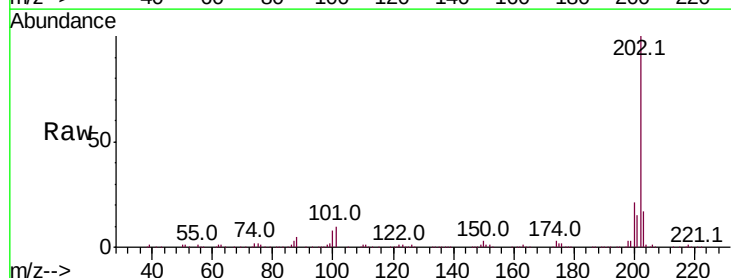
RT: 12.70 min Scan# 1804

Delta R.T. -0.00 min

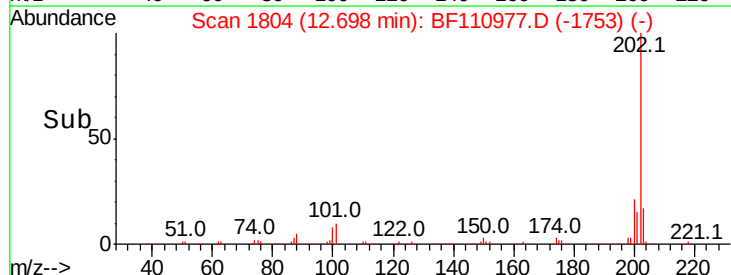
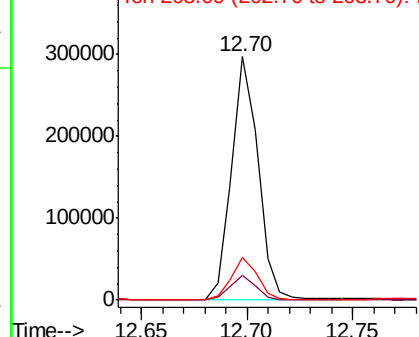
Lab File: BF110977.D

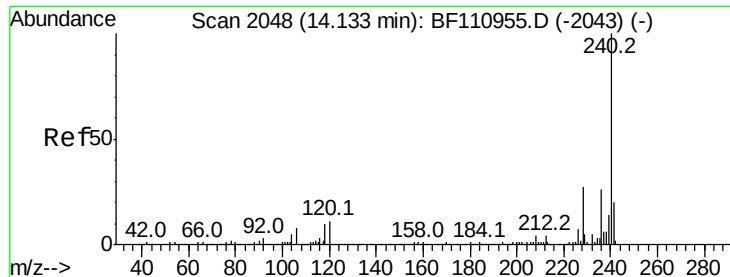
Acq: 26 Nov 2018 21:28

Tgt Ion:	202	Resp:	260345
Ion Ratio	Lower	Upper	
202	100		
101	10.3	0.0	31.4
203	17.5	0.0	37.7



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.13 min Scan# 2048

Delta R.T. -0.00 min

Lab File: BF110977.D

Acq: 26 Nov 2018 21:28

Instrument :

BNA_F

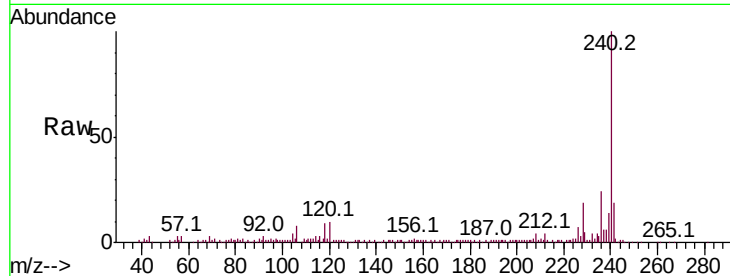
ClientSampleId :

OR-02-112118-B

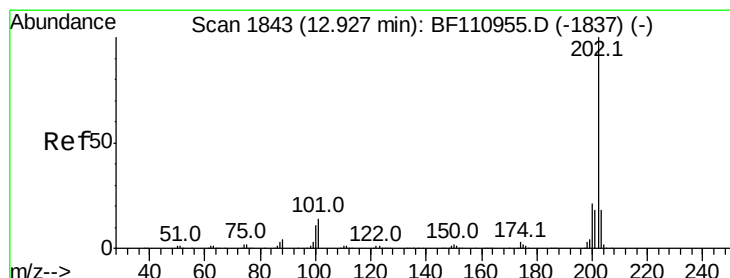
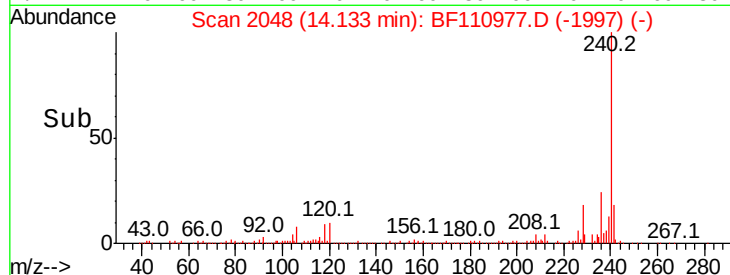
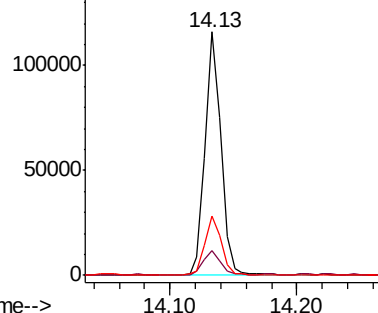
Tot Ion:	240	Resp:	101095
Ion Ratio	Lower	Upper	
240	100		
120	10.0	8.3	12.5
236	24.3	21.2	31.8

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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: 31.557 ng

RT: 12.93 min Scan# 1844

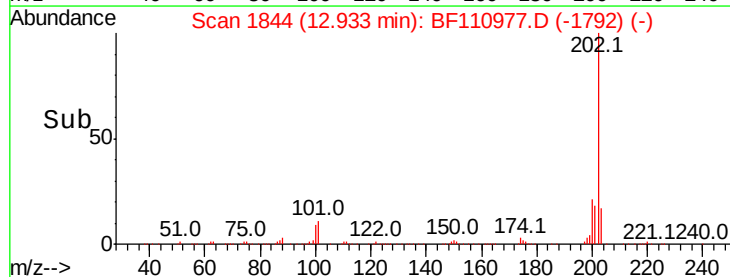
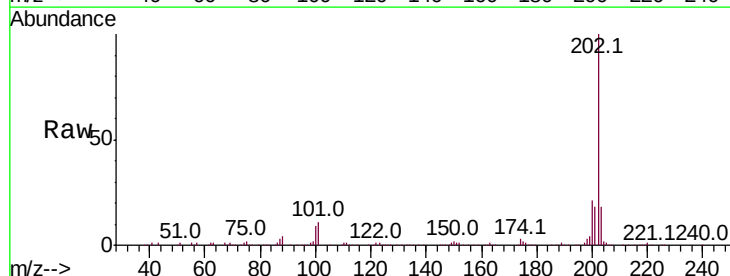
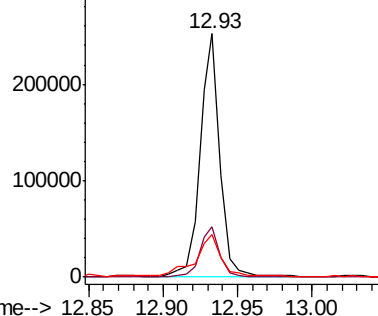
Delta R.T. 0.01 min

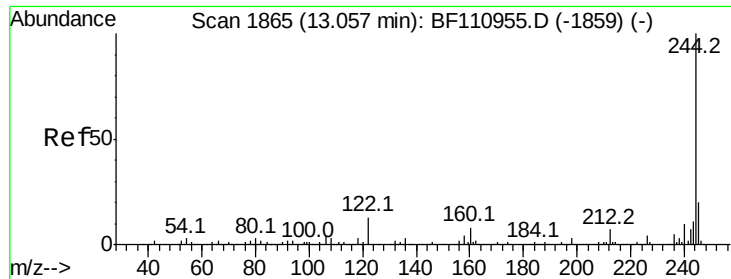
Lab File: BF110977.D

Acq: 26 Nov 2018 21:28

Tgt Ion:	202	Resp:	233006
Ion Ratio	Lower	Upper	
202	100		
200	20.9	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: 32.672 ng

RT: 13.06 min Scan# 1865

Delta R.T. -0.00 min

Lab File: BF110977.D

Acq: 26 Nov 2018 21:28

Instrument :

BNA_F

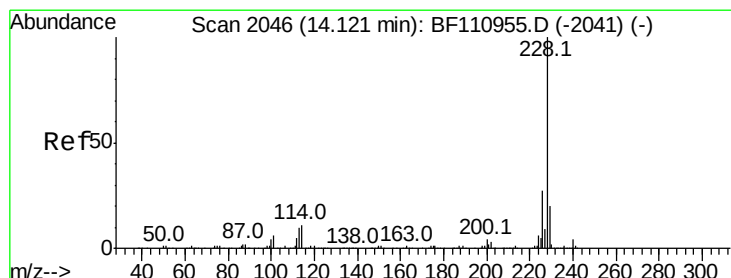
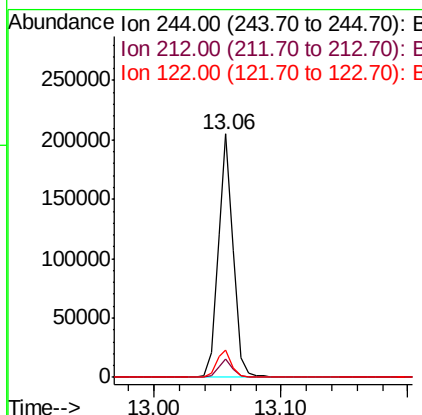
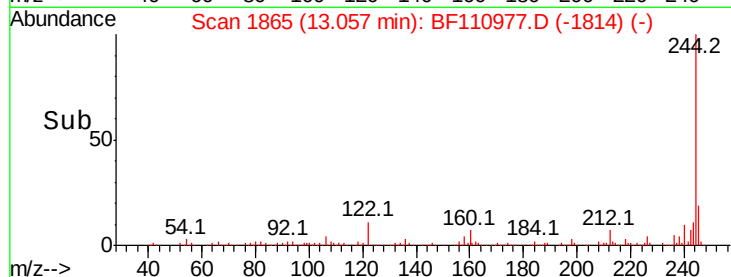
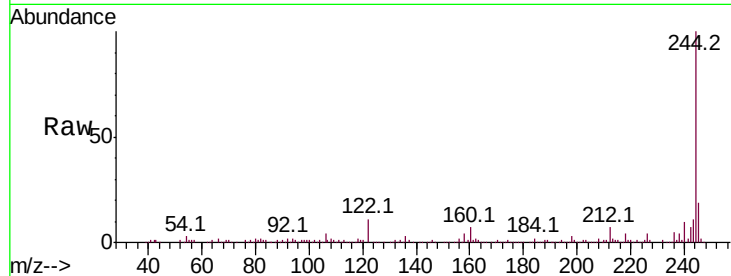
ClientSampleId :

OR-02-112118-B

Tot Ion:	244	Resp:	169677
Ion Ratio	Lower	Upper	
244	100		
212	7.4	5.8	8.8
122	11.2	8.7	13.1

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#81

Benzo(a)anthracene

Concen: 12.557 ng

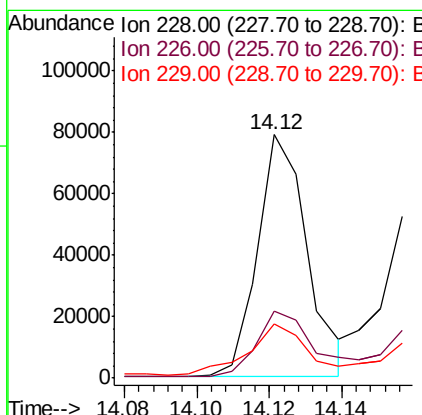
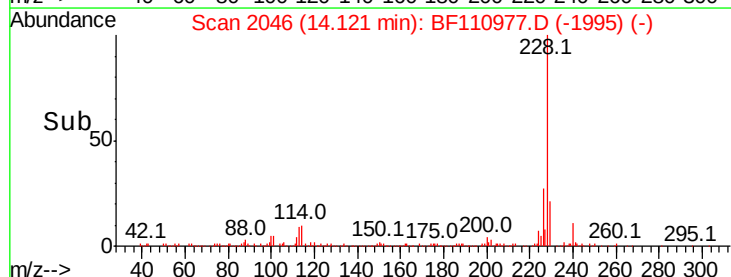
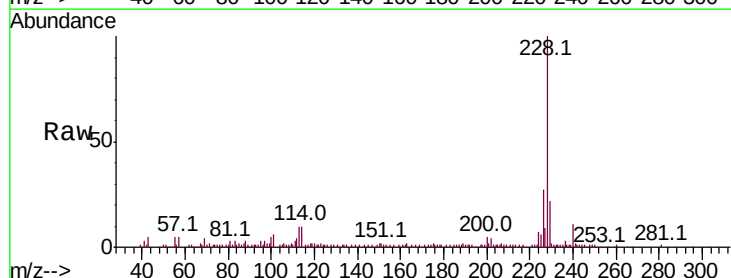
RT: 14.12 min Scan# 2046

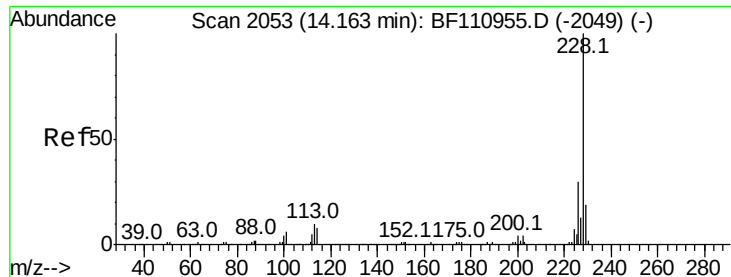
Delta R.T. -0.00 min

Lab File: BF110977.D

Acq: 26 Nov 2018 21:28

Tgt Ion:	228	Resp:	74945
Ion Ratio	Lower	Upper	
228	100		
226	27.5	22.1	33.1
229	22.4	15.6	23.4





#83

Chrysene

Concen: 11.337 ng

RT: 14.16 min Scan# 2053

Delta R.T. -0.00 min

Lab File: BF110977.D

Acq: 26 Nov 2018 21:28

Instrument :

BNA_F

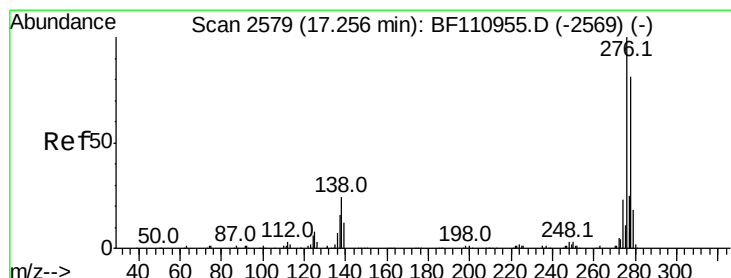
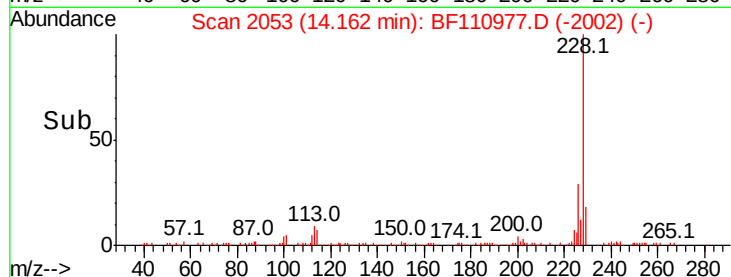
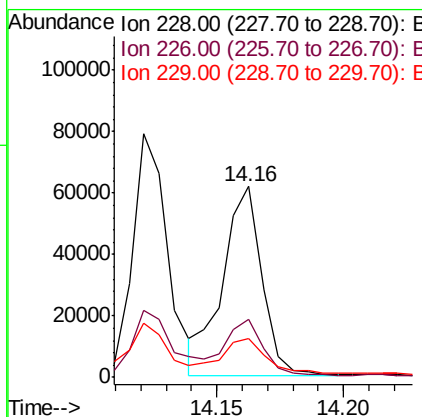
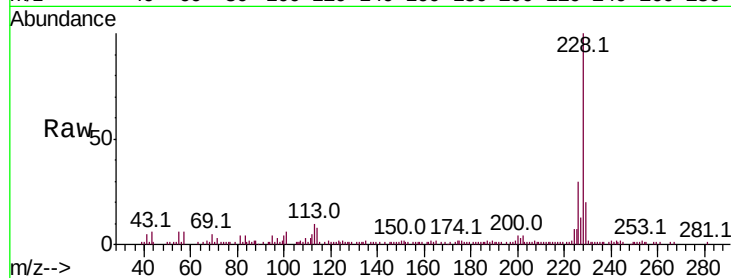
ClientSampleId :

OR-02-112118-B

Tot Ion:	228	Resp:	66608
Ion Ratio	Lower	Upper	
228	100		
226	30.3	24.7	37.1
229	20.3	15.9	23.9

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#86

Indeno(1,2,3-cd)pyrene

Concen: 5.829 ng

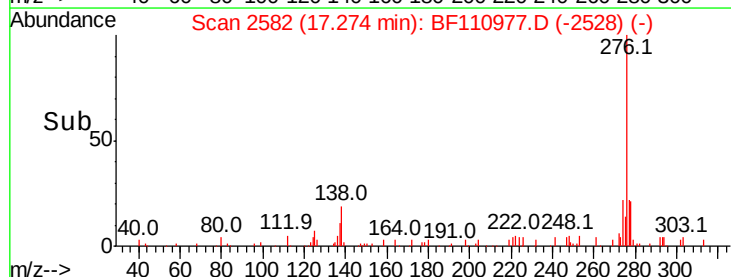
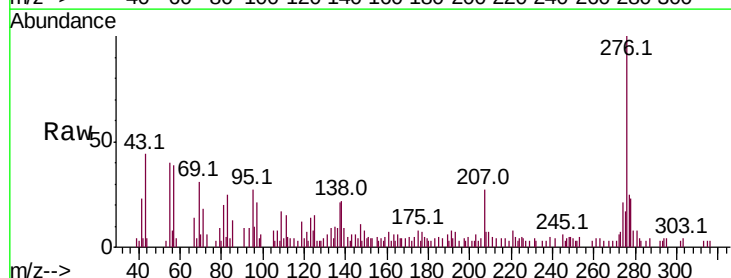
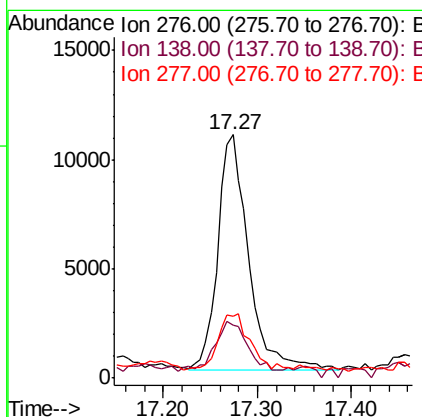
RT: 17.27 min Scan# 2582

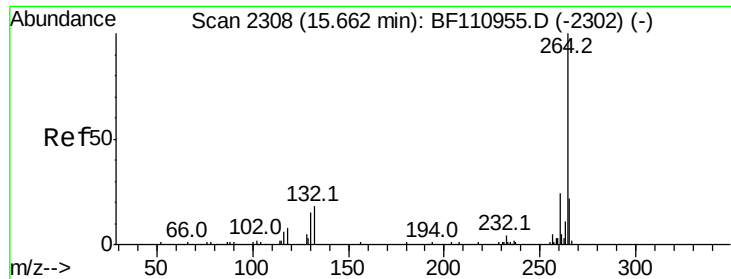
Delta R.T. 0.02 min

Lab File: BF110977.D

Acq: 26 Nov 2018 21:28

Tgt Ion:	276	Resp:	24583
Ion Ratio	Lower	Upper	
276	100		
138	23.0	18.5	27.7
277	23.5	20.0	30.0





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.67 min Scan# 2310

Delta R.T. 0.01 min

Lab File: BF110977.D

Acq: 26 Nov 2018 21:28

Instrument :

BNA_F

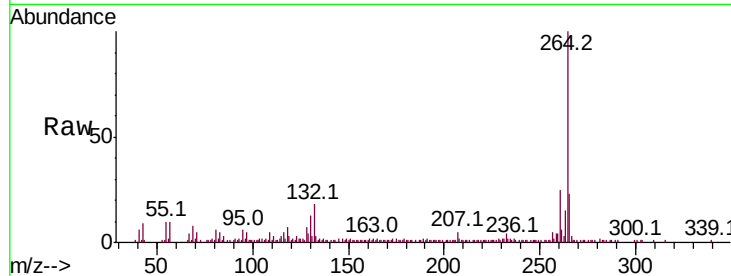
ClientSampleId :

OR-02-112118-B

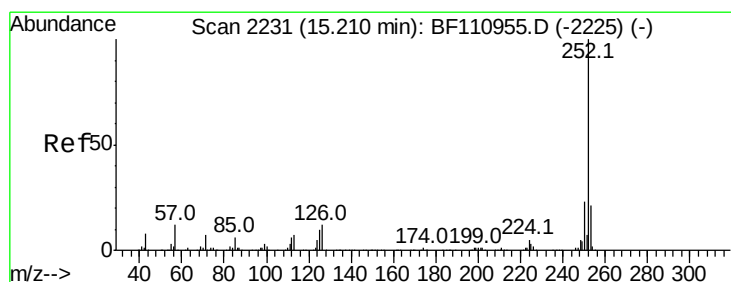
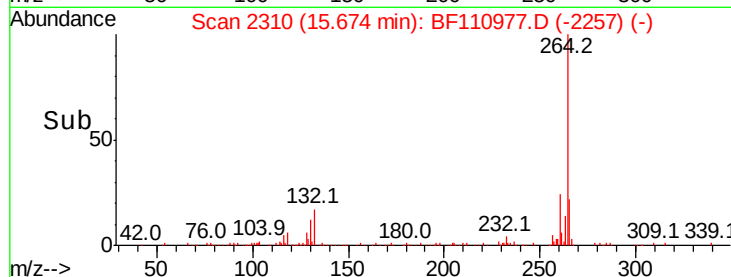
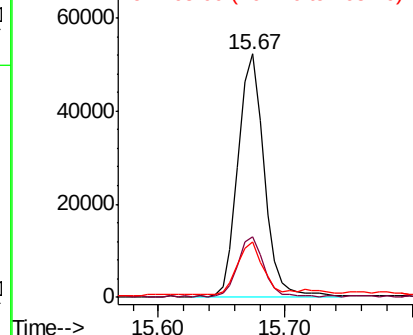
Tot Ion:	264	Resp:	75298
Ion Ratio	Lower	Upper	
264	100		
260	25.0	18.7	28.1
265	22.6	16.7	25.1

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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: 12.908 ng m

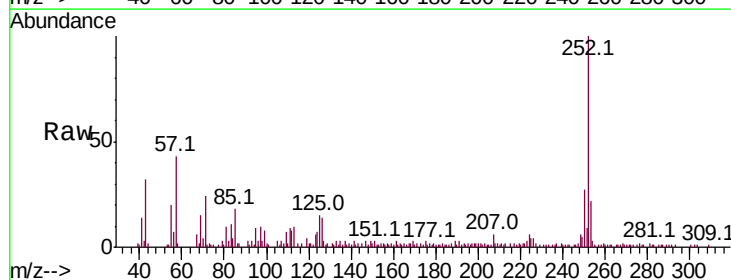
RT: 15.22 min Scan# 2232

Delta R.T. 0.01 min

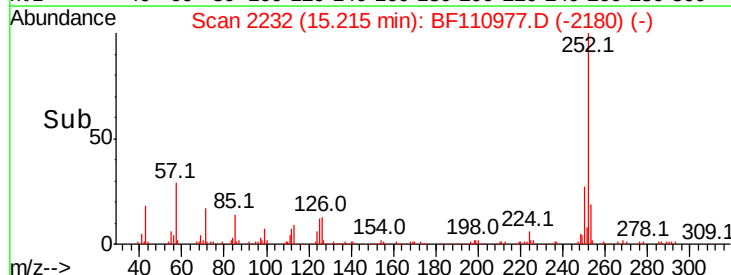
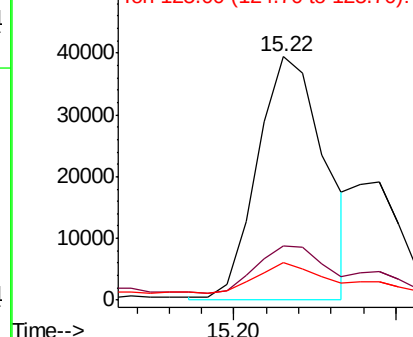
Lab File: BF110977.D

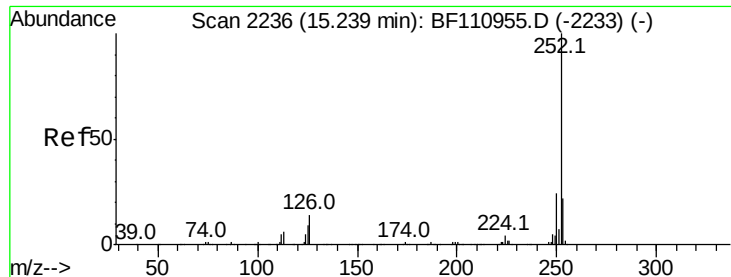
Acq: 26 Nov 2018 21:28

Tgt Ion:	252	Resp:	57099
Ion Ratio	Lower	Upper	
252	100		
253	22.4	17.2	25.8
125	15.4	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





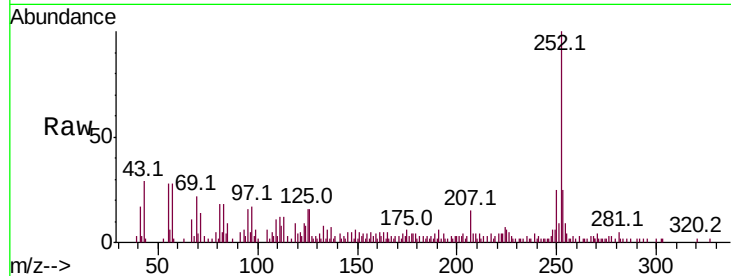
#89
Benzo(k)fluoranthene
Concen: 4.676 ng m
RT: 15.24 min Scan# 2237
Delta R.T. 0.01 min
Lab File: BF110977.D
Acq: 26 Nov 2018 21:28

Instrument :
BNA_F
ClientSampleId :
OR-02-112118-B

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.5	17.2	25.8
125	15.9	7.4	11.0

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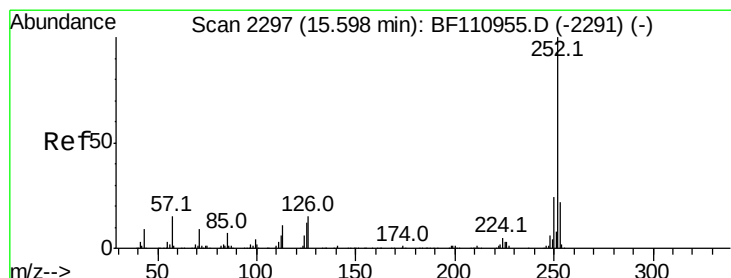
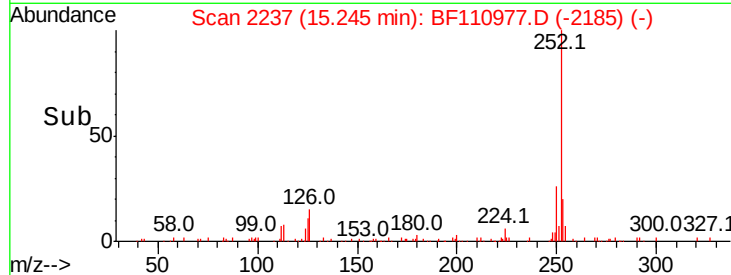
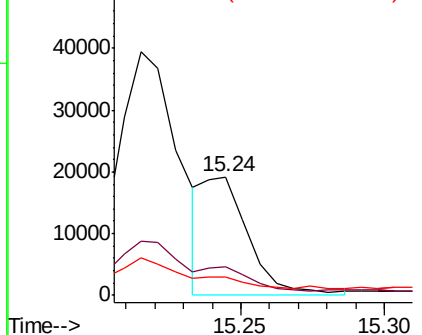


Abundance

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: 10.724 ng
RT: 15.61 min Scan# 2299
Delta R.T. 0.01 min
Lab File: BF110977.D
Acq: 26 Nov 2018 21:28

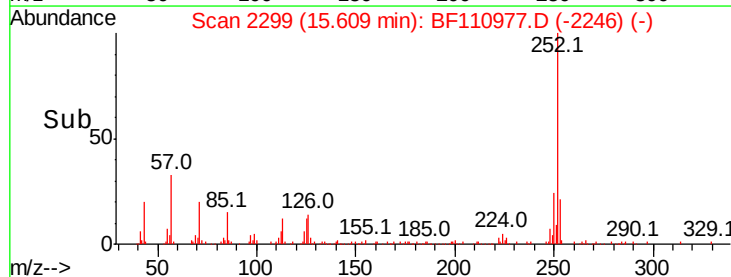
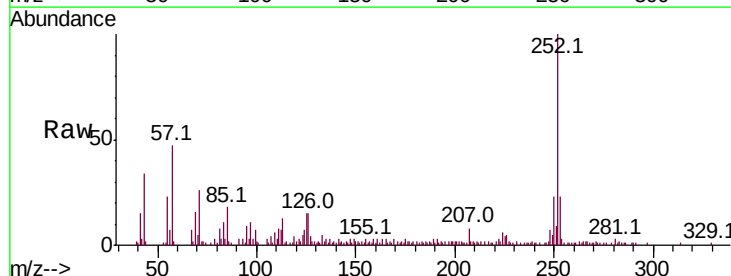
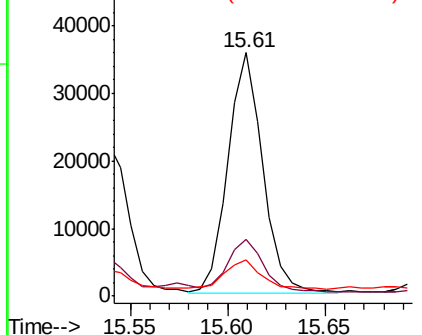
Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.1	18.2	27.4
125	15.1	9.0	13.6

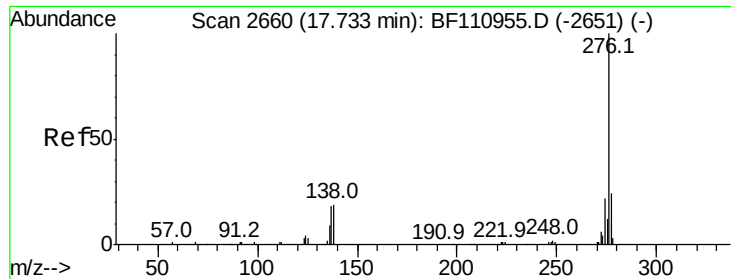
Abundance

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





#92
 Benzo(a,h,i)perylene
 Concen: 7.877 ng
 RT: 17.76 min Scan# 2665
 Delta R.T. 0.03 min
 Lab File: BF110977.D
 Acq: 26 Nov 2018 21:28

Instrument :
 BNA_F
 ClientSampleId :
 OR-02-112118-B

Tot Ion	Ratio	Lower	Upper
276	100		
277	28.9	18.8	28.2#
138	30.2	16.0	24.0#

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