

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012519\
 Data File : BF112239.D
 Acq On : 25 Jan 2019 18:37
 Operator : JU/SJ
 Sample : K1231-01
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RBR-200029

Manual Integrations
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mohammad
 1/29/2019 12:31:33 AM

Quant Time: Jan 28 00:19:28 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF012519.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 28 00:11:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.84	152	196909	20.00	ng	0.00
21) Naphthalene-d8	8.12	136	705670	20.00	ng	0.00
39) Acenaphthene-d10	9.88	164	280743	20.00	ng	0.00
64) Phenanthrene-d10	11.36	188	634357	20.00	ng	0.00
76) Chrysene-d12	14.00	240	359699	20.00	ng	0.00
87) Perylene-d12	15.47	264	361163	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.48	112	872362	94.10	ng	0.00
7) Phenol-d6	6.49	99	1351371	104.91	ng	0.00
23) Nitrobenzene-d5	7.40	82	862516	70.43	ng	0.00
42) 2,4,6-Tribromophenol	10.67	330	369713	113.14	ng	0.00
45) 2-Fluorobiphenyl	9.20	172	1331640	67.09	ng	0.00
79) Terphenyl-d14	12.94	244	1155672	60.51	ng	0.00
Target Compounds						
10) Phenol	6.50	94	130224	9.214	ng	85
50) Dimethylphthalate	9.59	163	126571	5.803	ng	99
71) Phenanthrene	11.39	178	488263	14.805	ng	98
72) Anthracene	11.44	178	71129	2.165	ng	96
75) Fluoranthene	12.58	202	785342	22.202	ng	97
78) Pyrene	12.80	202	655014	26.302	ng	99
81) Benzo(a)anthracene	13.99	228	262053	12.393	ng	98
83) Chrysene	14.03	228	237729	11.778	ng	97
86) Indeno(1,2,3-cd)pyrene	16.94	276	140419	8.780	ng	# 92
88) Benzo(b)fluoranthene	15.04	252	323709m	14.987	ng	
89) Benzo(k)fluoranthene	15.06	252	122540m	5.923	ng	
90) Benzo(a)pyrene	15.40	252	240032	12.351	ng	# 96
91) Dibenzo(a,h)anthracene	16.94	278	35191m	2.247	ng	
92) Benzo(a,h,i)perylene	17.39	276	134282	9.087	ng	98

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

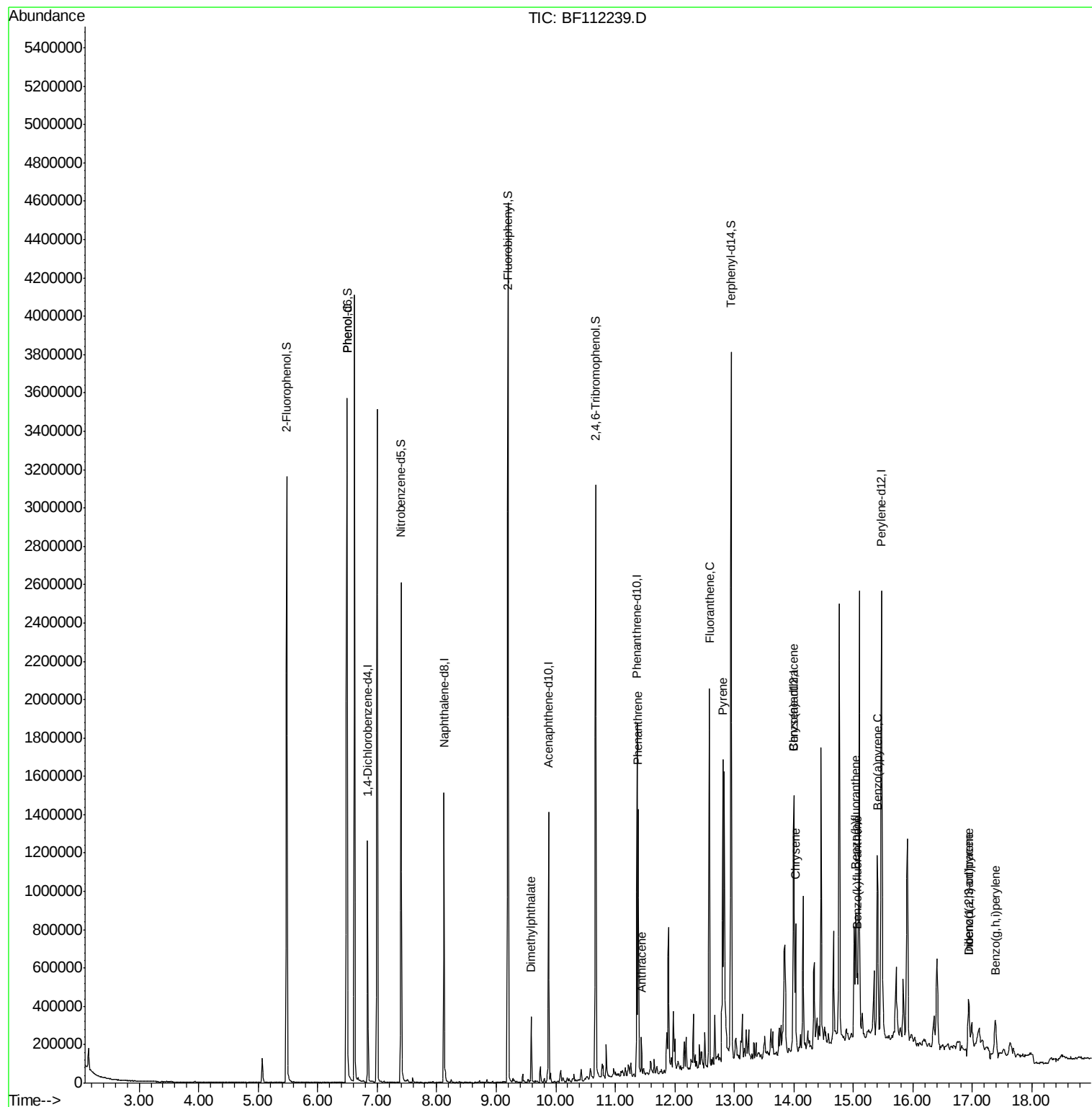
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012519\
Data File : BF112239.D
Acq On : 25 Jan 2019 18:37
Operator : JU/SJ
Sample : K1231-01
Misc :
ALS Vial : 3 Sample Multiplier: 1

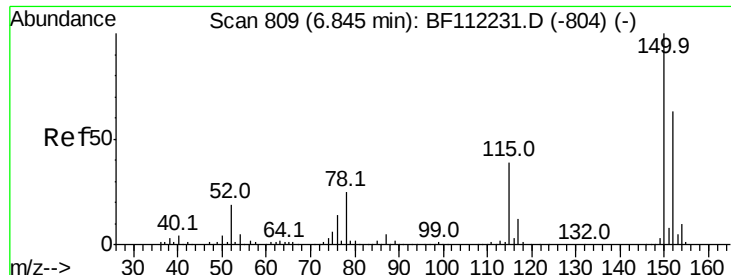
Instrument :
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#1

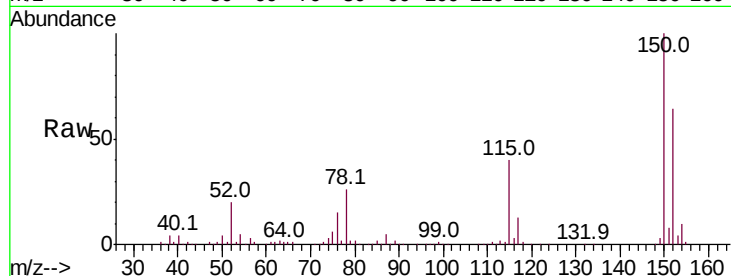
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.84 min Scan# 808
Delta R.T. -0.01 min
Lab File: BF112239.D
Acq: 25 Jan 2019 18:37

Instrument :
BNA_F
ClientSampleId :
RBR-200029

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.7	127.4	191.0
115	62.5	45.5	68.3

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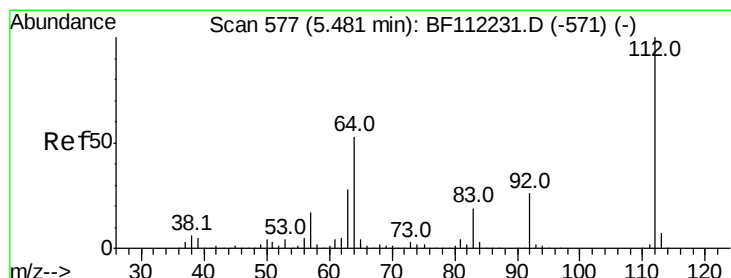
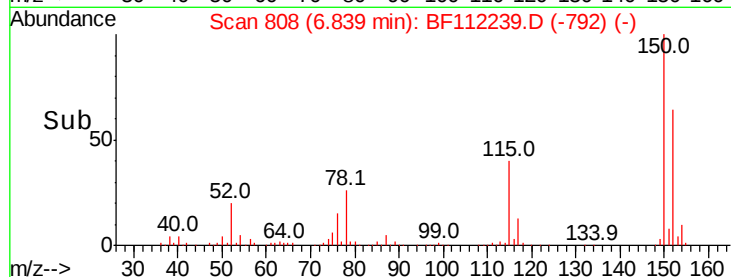
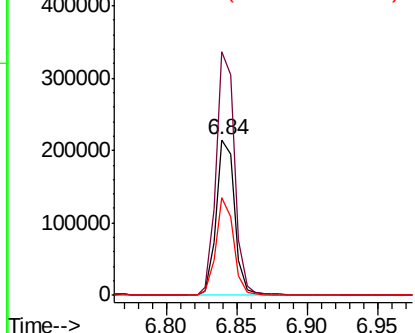


Abundance

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: 94.102 ng
RT: 5.48 min Scan# 577
Delta R.T. 0.01 min
Lab File: BF112239.D
Acq: 25 Jan 2019 18:37

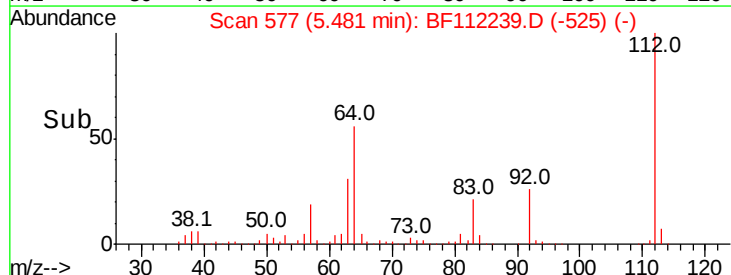
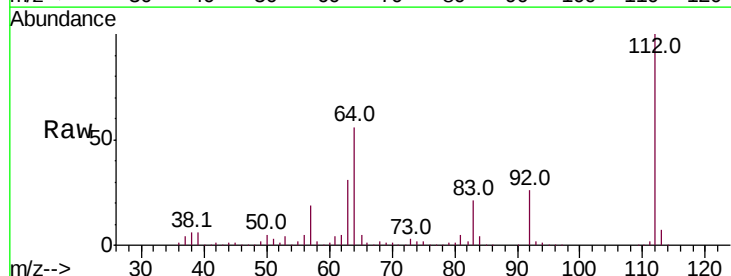
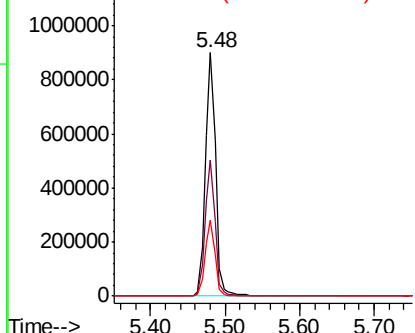
Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.8	45.7	68.5
63	31.0	23.6	35.4

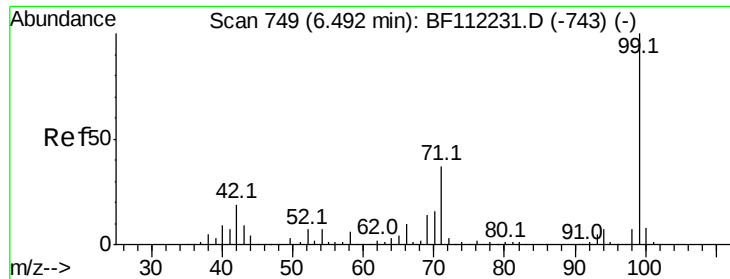
Abundance

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: 104.907 ng

RT: 6.49 min Scan# 749

Delta R.T. 0.00 min

Lab File: BF112239.D

Acq: 25 Jan 2019 18:37

Instrument :

BNA_F

ClientSampleId :

RBR-200029

Tot Ion: 99 Resp: 1351371

Ion Ratio Lower Upper

99 100

42 18.0 15.1 22.7

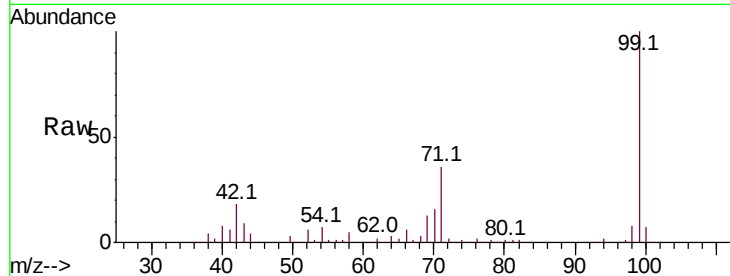
71 36.2 26.9 40.3

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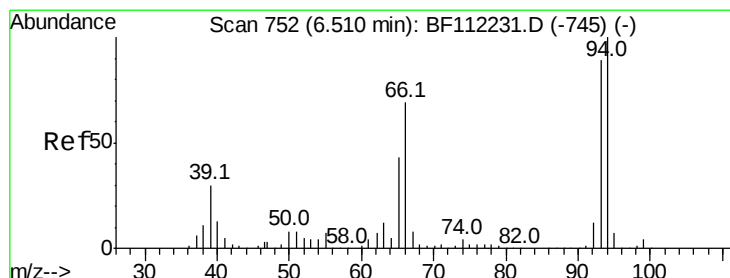
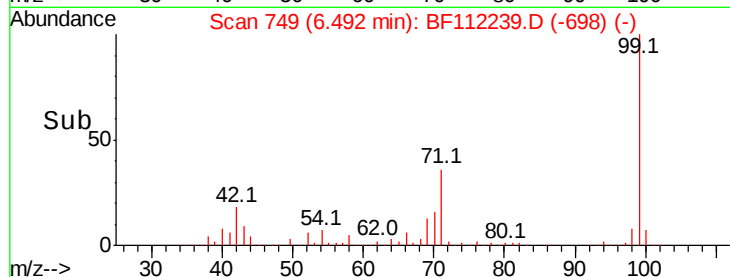
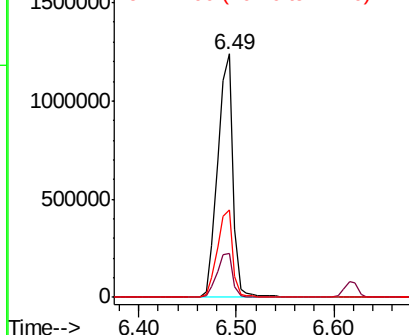
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Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#10

Phenol

Concen: 9.214 ng

RT: 6.50 min Scan# 750

Delta R.T. -0.01 min

Lab File: BF112239.D

Acq: 25 Jan 2019 18:37

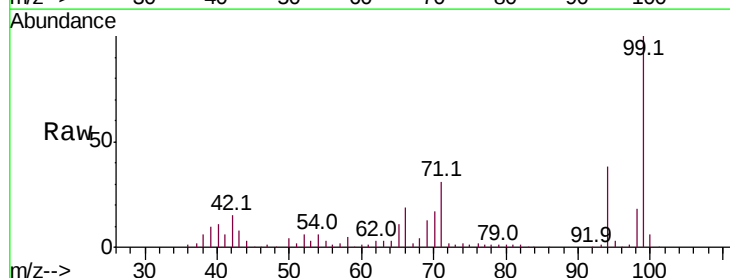
Tgt Ion: 94 Resp: 130224

Ion Ratio Lower Upper

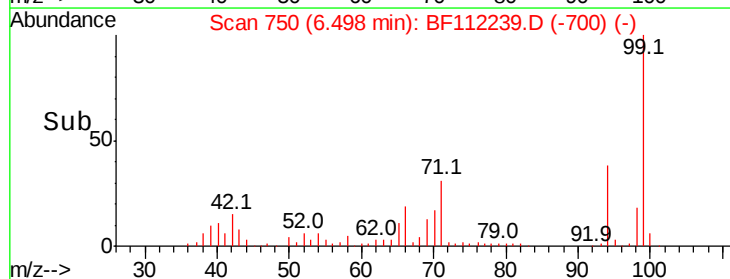
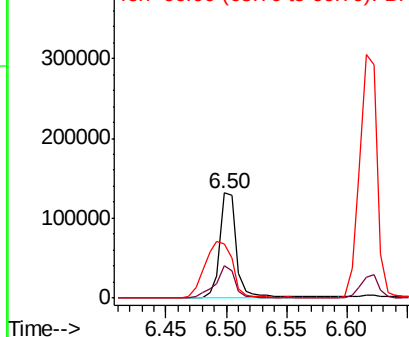
94 100

65 30.5 20.3 60.3

66 51.7 42.4 82.4



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





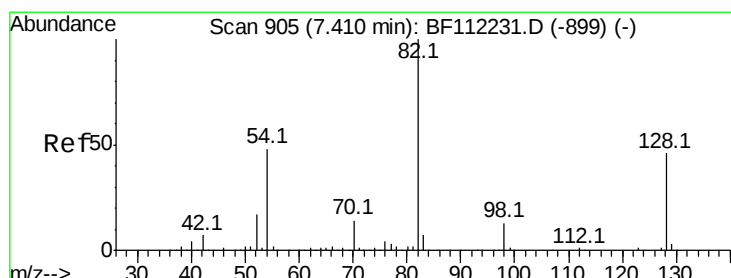
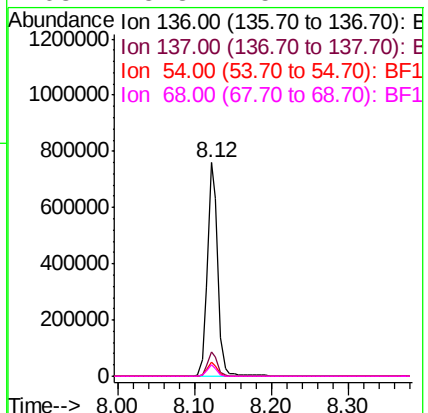
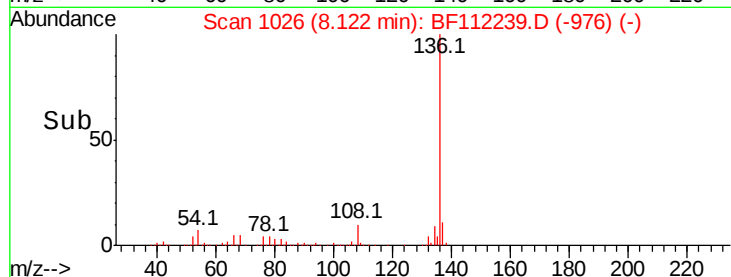
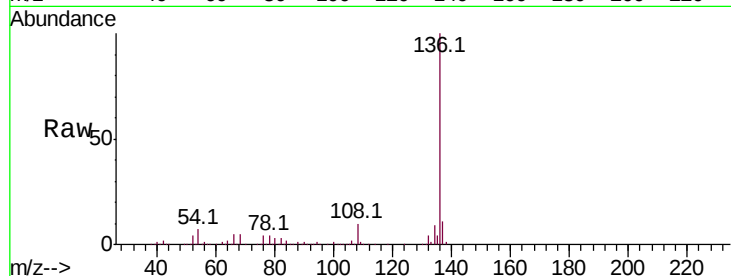
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.12 min Scan# 1026
Delta R.T. -0.01 min
Lab File: BF112239.D
Acq: 25 Jan 2019 18:37

Instrument :
BNA_F
ClientSampleId :
RBR-200029

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	11.3	9.1	13.7	
54	6.8	5.9	8.9	
68	5.3	5.1	7.7	

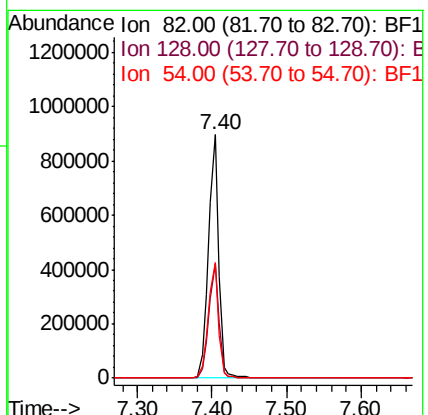
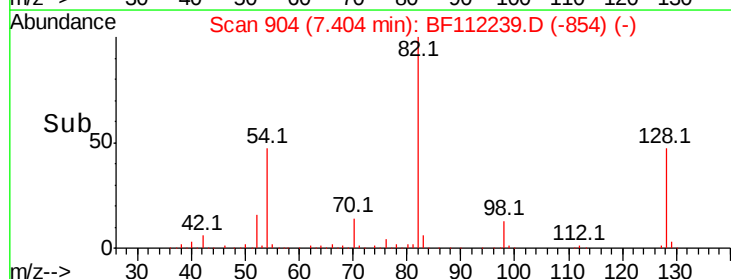
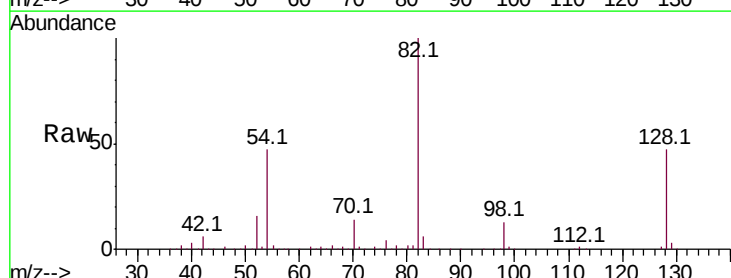
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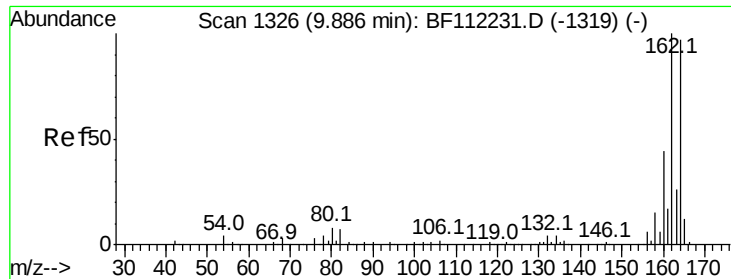
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#23
Nitrobenzene-d5
Concen: 70.427 ng
RT: 7.40 min Scan# 904
Delta R.T. -0.01 min
Lab File: BF112239.D
Acq: 25 Jan 2019 18:37

Tgt Ion	Ratio	Resp	Lower	Upper
82	100			
128	46.7	37.8	56.8	
54	47.3	39.7	59.5	





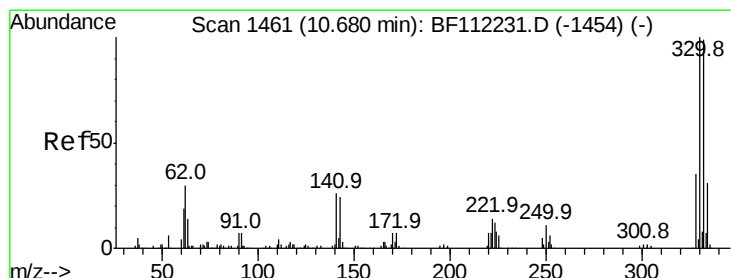
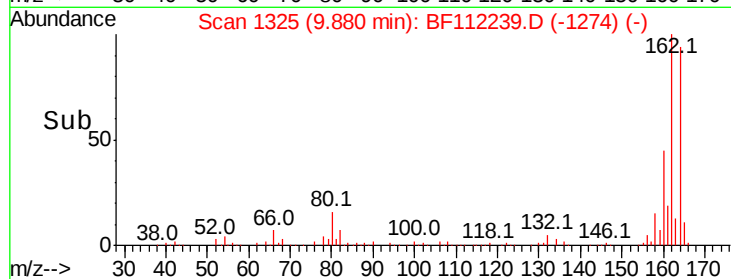
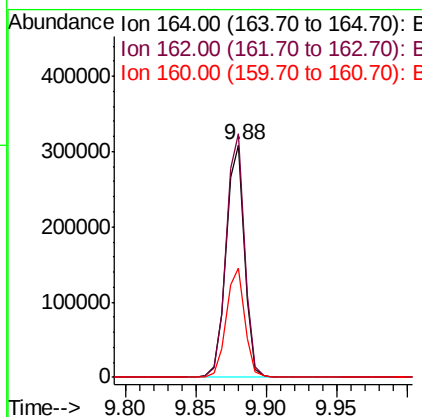
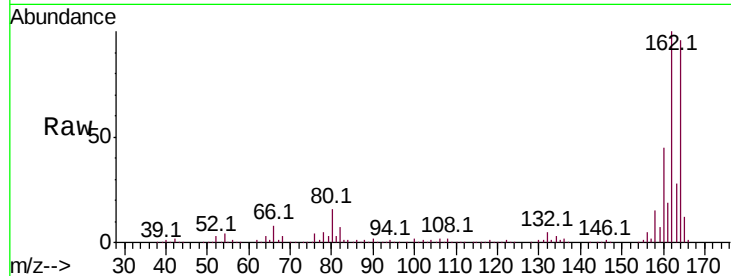
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.88 min Scan# 1325
Delta R.T. 0.00 min
Lab File: BF112239.D
Acq: 25 Jan 2019 18:37

Instrument :
BNA_F
ClientSampleId :
RBR-200029

Tot Ion	Ratio	Lower	Upper
164	100		
162	104.6	82.2	123.4
160	47.1	36.2	54.4

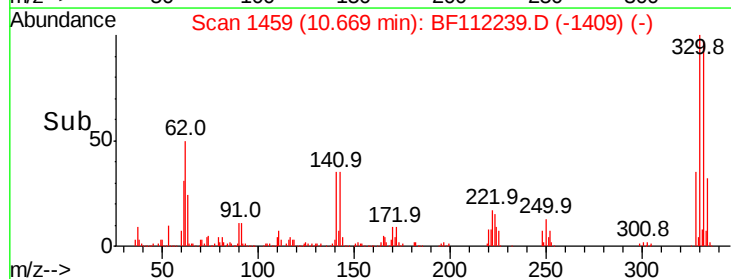
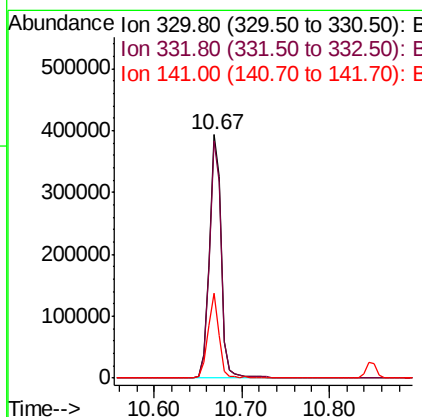
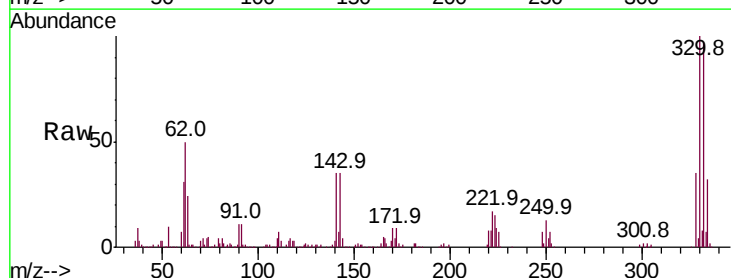
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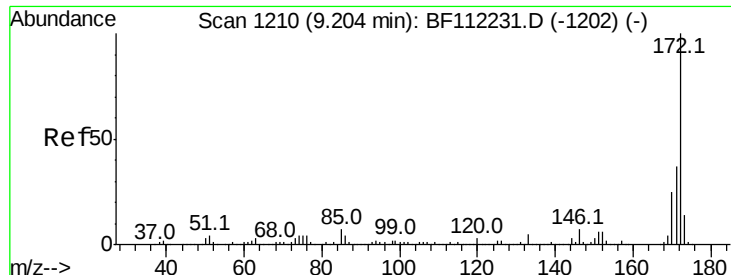
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#42
2,4,6-Tribromophenol
Concen: 113.139 ng
RT: 10.67 min Scan# 1459
Delta R.T. -0.01 min
Lab File: BF112239.D
Acq: 25 Jan 2019 18:37

Tgt Ion	Ratio	Lower	Upper
330	100		
332	97.1	76.6	114.8
141	33.2	24.3	36.5





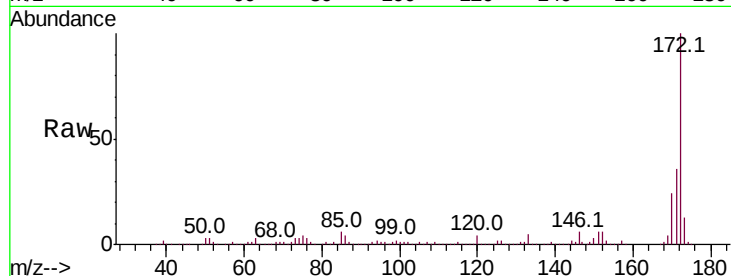
#45
2-Fluorobiphenyl
Concen: 67.086 ng
RT: 9.20 min Scan# 1209
Delta R.T. -0.01 min
Lab File: BF112239.D
Acq: 25 Jan 2019 18:37

Instrument :
BNA_F
ClientSampleId :
RBR-200029

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.0	30.5	45.7
170	24.1	20.2	30.4

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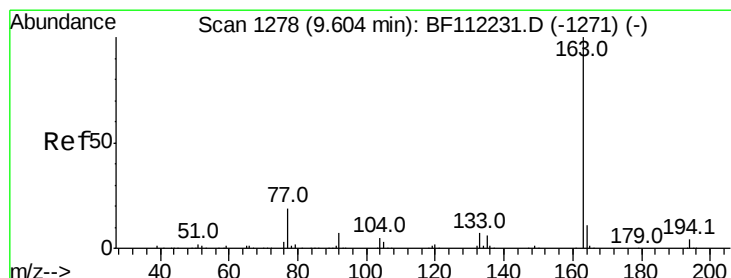
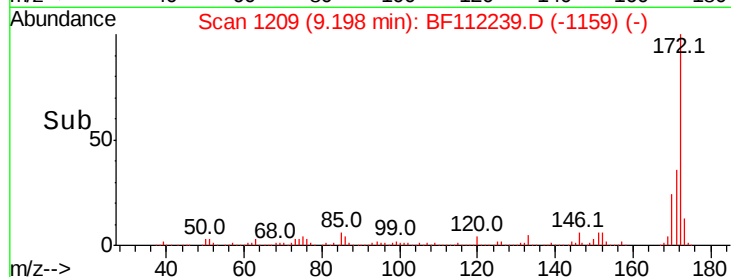
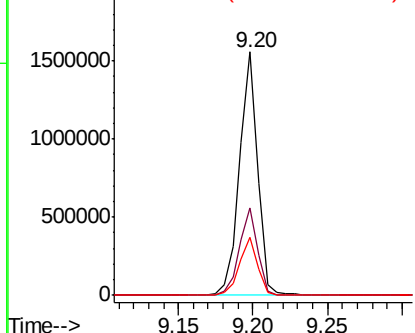


Abundance

Ion 172.00 (171.70 to 172.70): E

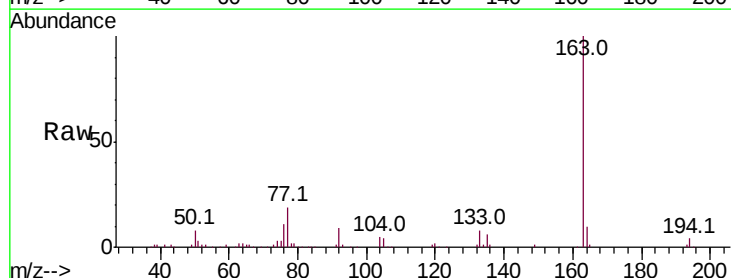
Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#50
Dimethylphthalate
Concen: 5.803 ng
RT: 9.59 min Scan# 1275
Delta R.T. -0.02 min
Lab File: BF112239.D
Acq: 25 Jan 2019 18:37

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.8	3.3	4.9
164	10.3	8.5	12.7

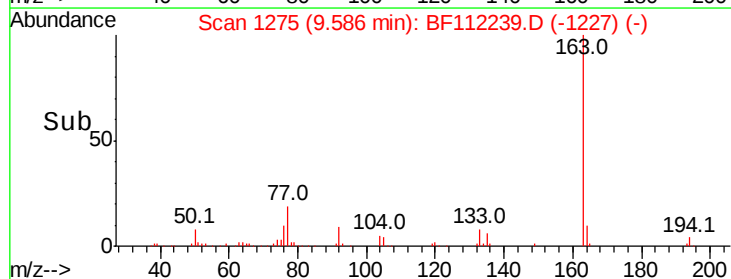
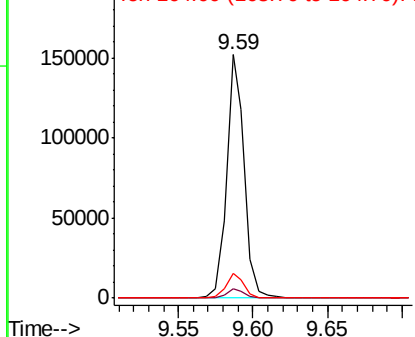


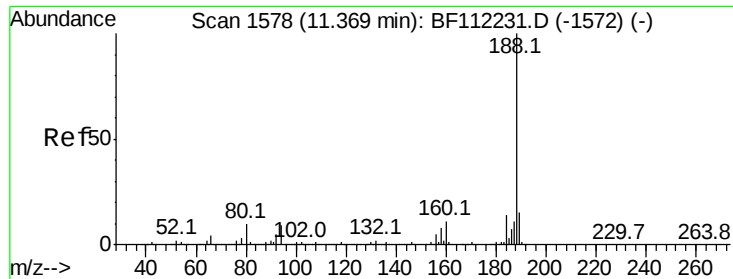
Abundance

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





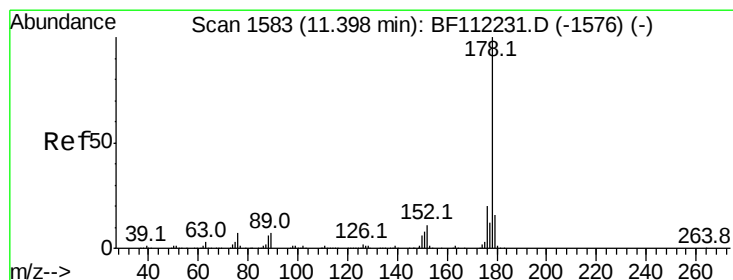
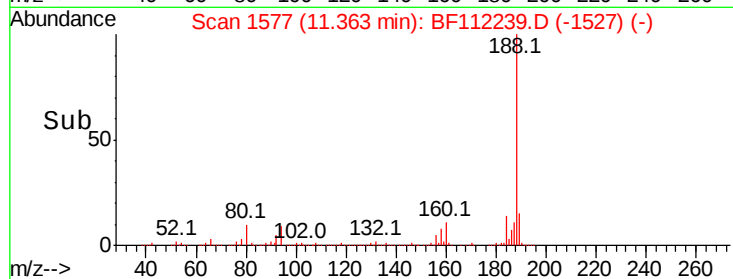
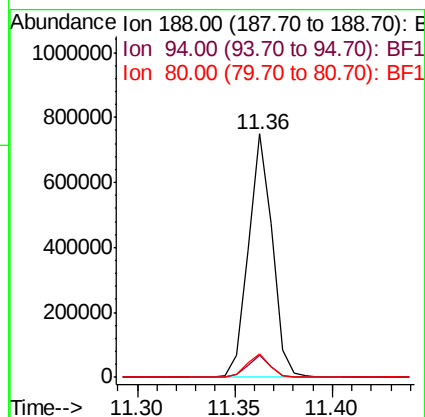
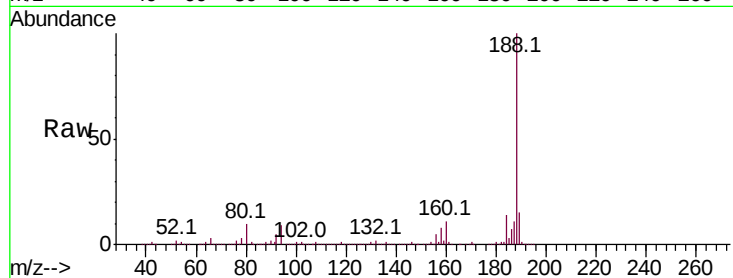
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.36 min Scan# 1577
Delta R.T. -0.01 min
Lab File: BF112239.D
Acq: 25 Jan 2019 18:37

Instrument :
BNA_F
ClientSampleId :
RBR-200029

Tot Ion:	188	Resp:	634357
Ion Ratio	Lower	Upper	
188	100		
94	9.3	8.2	12.2
80	9.6	8.9	13.3

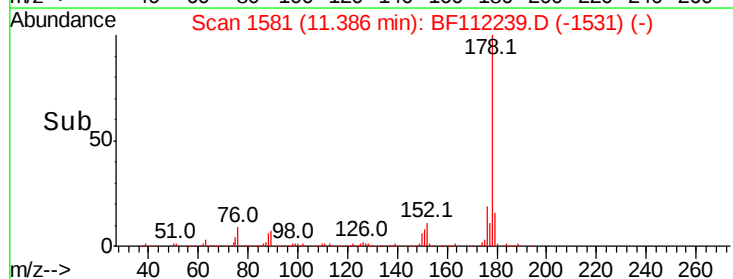
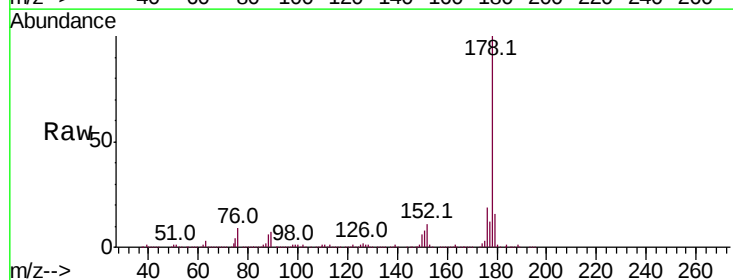
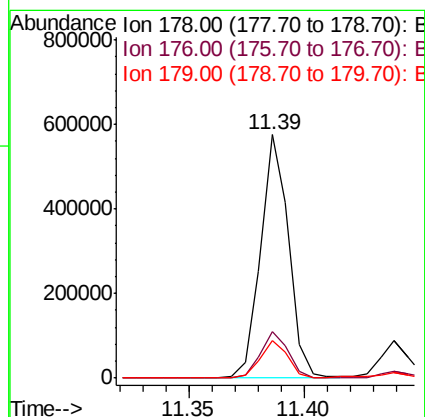
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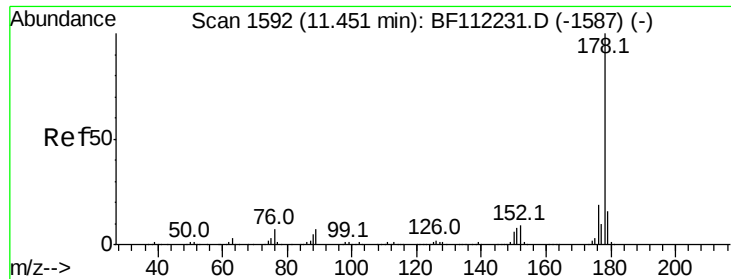
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#71
Phenanthrene
Concen: 14.805 ng
RT: 11.39 min Scan# 1581
Delta R.T. -0.01 min
Lab File: BF112239.D
Acq: 25 Jan 2019 18:37

Tgt Ion:	178	Resp:	488263
Ion Ratio	Lower	Upper	
178	100		
176	19.3	16.3	24.5
179	15.6	13.0	19.4





#72

Anthracene

Concen: 2.165 ng

RT: 11.44 min Scan# 1590

Delta R.T. -0.01 min

Lab File: BF112239.D

Acq: 25 Jan 2019 18:37

Instrument :

BNA_F

ClientSampleId :

RBR-200029

Tot Ion:178 Resp: 71129

Ion Ratio Lower Upper

178 100

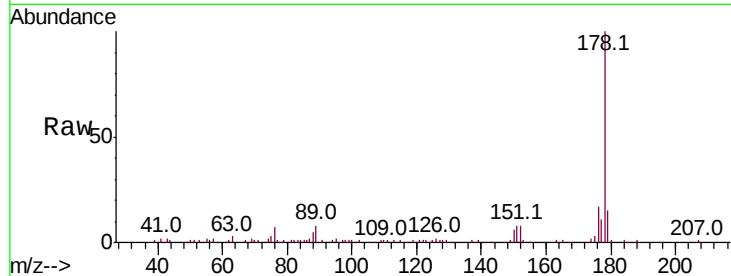
176 17.2 15.5 23.3

179 14.9 12.8 19.2

Manual Integrations
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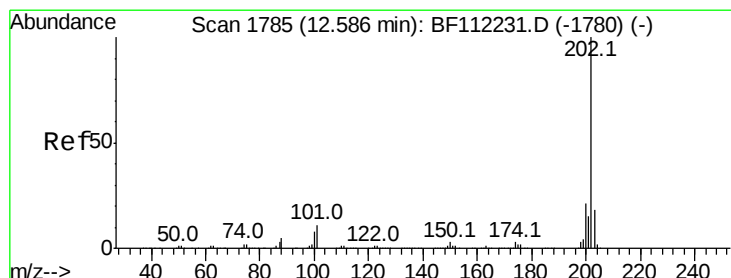
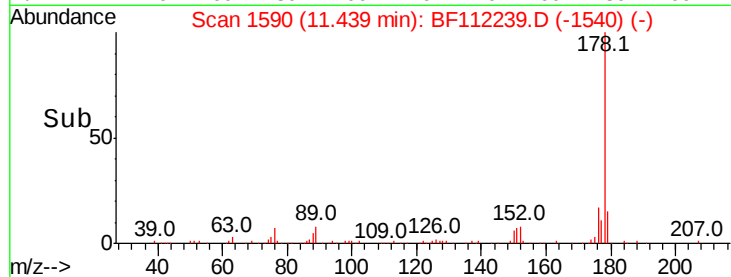
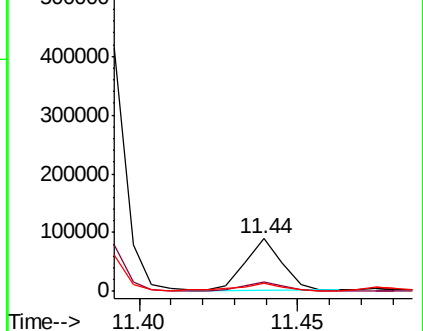
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#75

Fluoranthene

Concen: 22.202 ng

RT: 12.58 min Scan# 1784

Delta R.T. 0.00 min

Lab File: BF112239.D

Acq: 25 Jan 2019 18:37

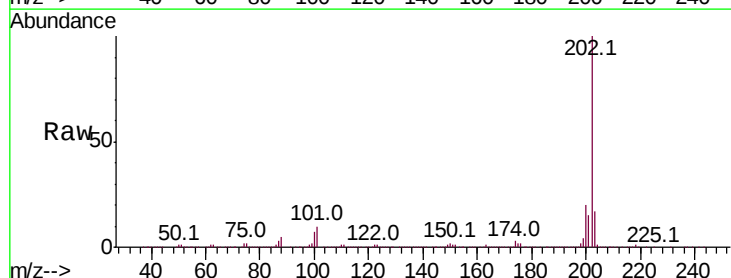
Tgt Ion:202 Resp: 785342

Ion Ratio Lower Upper

202 100

101 10.1 0.0 31.8

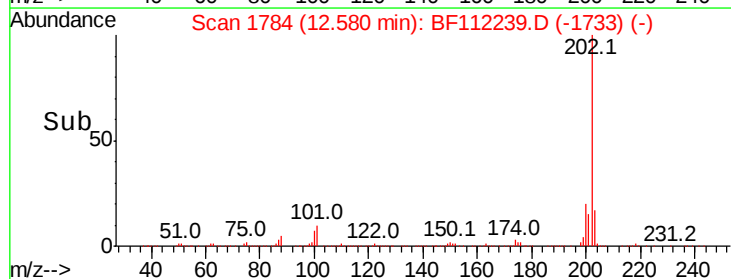
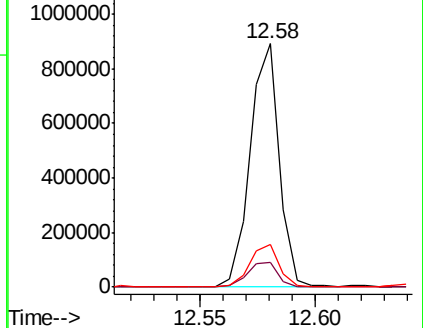
203 17.3 0.0 38.4

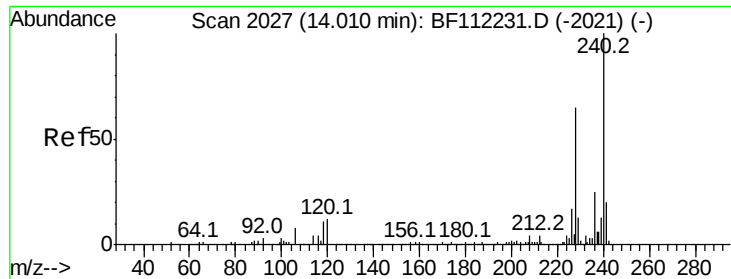


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





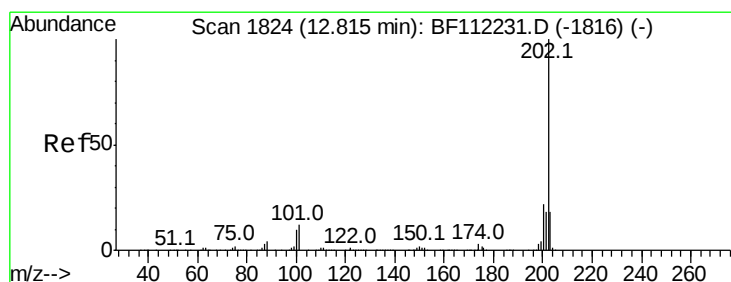
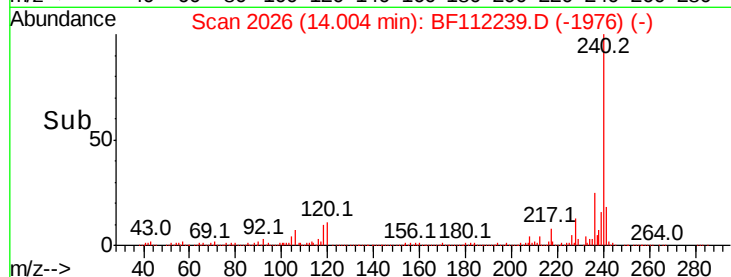
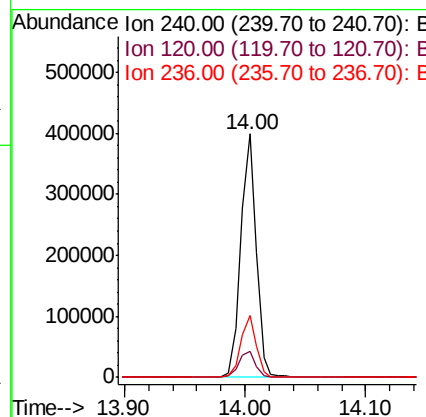
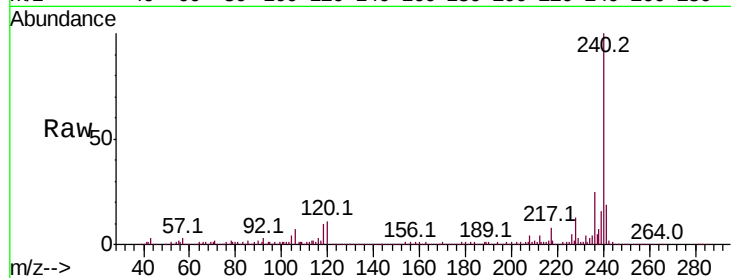
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.00 min Scan# 2026
Delta R.T. -0.01 min
Lab File: BF112239.D
Acq: 25 Jan 2019 18:37

Instrument :
BNA_F
ClientSampleId :
RBR-200029

Tot Ion	Ratio	Lower	Upper
240	100		
120	10.7	9.0	13.6
236	25.4	20.7	31.1

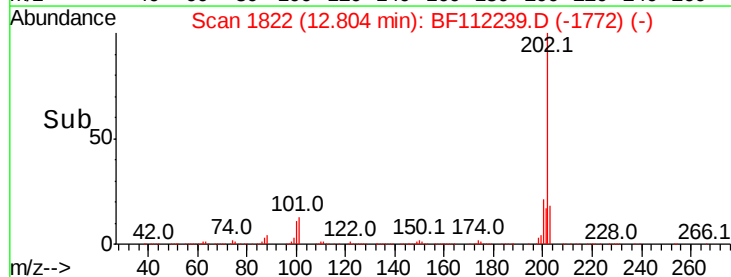
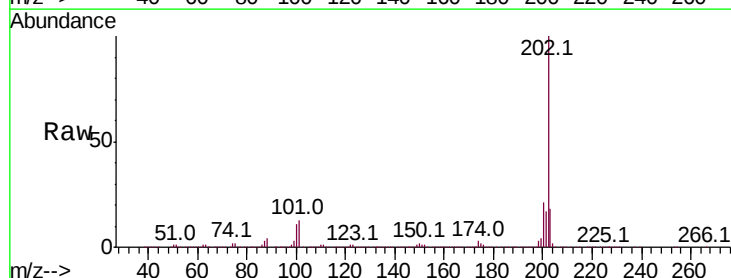
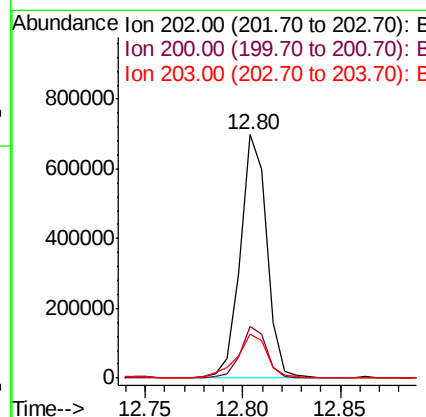
Manual Integrations
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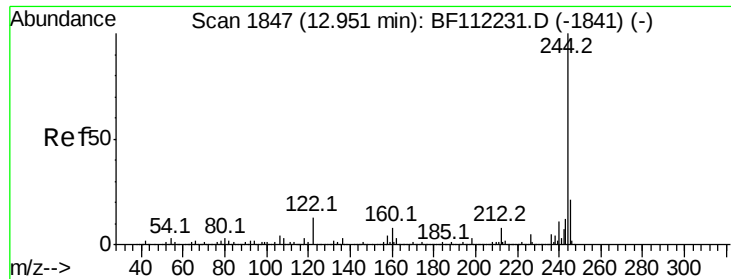
mohammad
1/29/2019 12:31:33 AM



#78
Pyrene
Concen: 26.302 ng
RT: 12.80 min Scan# 1822
Delta R.T. -0.01 min
Lab File: BF112239.D
Acq: 25 Jan 2019 18:37

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.1	17.7	26.5
203	18.1	14.6	22.0





#79

Terphenyl-d14

Concen: 60.513 ng

RT: 12.94 min Scan# 1846

Delta R.T. -0.01 min

Lab File: BF112239.D

Acq: 25 Jan 2019 18:37

Instrument :

BNA_F

ClientSampleId :

RBR-200029

Tot Ion:244 Resp: 1155672

Ion Ratio Lower Upper

244 100

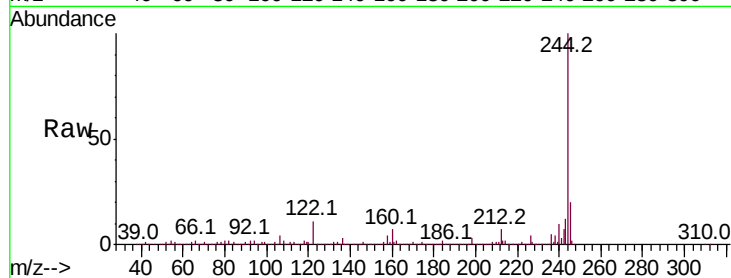
212 7.2 5.9 8.9

122 11.2 9.8 14.6

Manual Integrations
APPROVED

mohammad

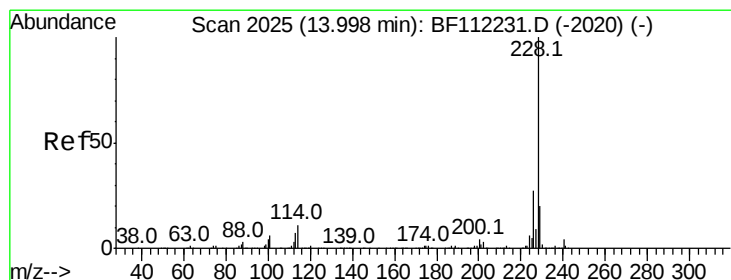
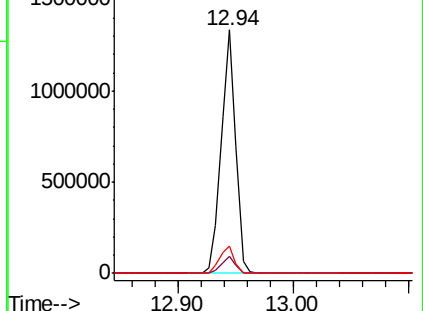
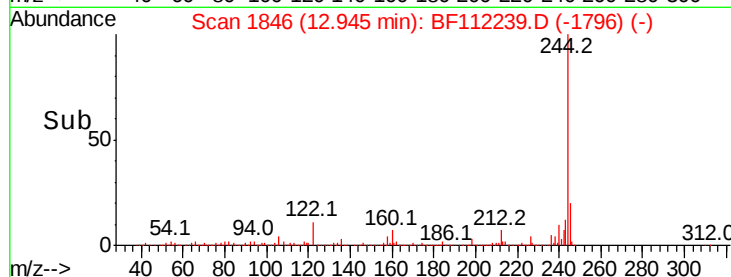
1/29/2019 12:31:33 AM



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: 12.393 ng

RT: 13.99 min Scan# 2024

Delta R.T. -0.01 min

Lab File: BF112239.D

Acq: 25 Jan 2019 18:37

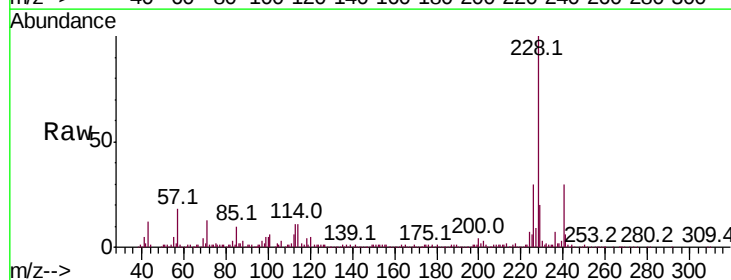
Tgt Ion:228 Resp: 262053

Ion Ratio Lower Upper

228 100

226 30.0 22.6 34.0

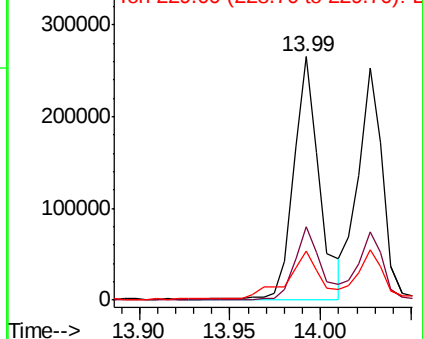
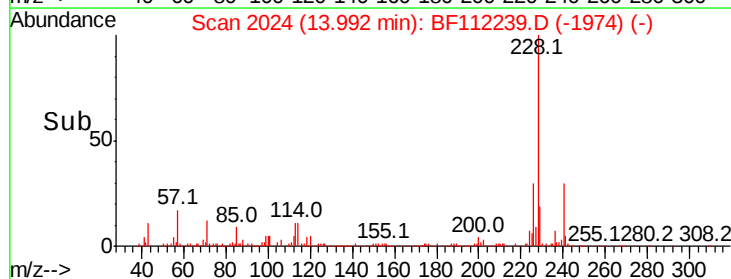
229 20.1 16.5 24.7

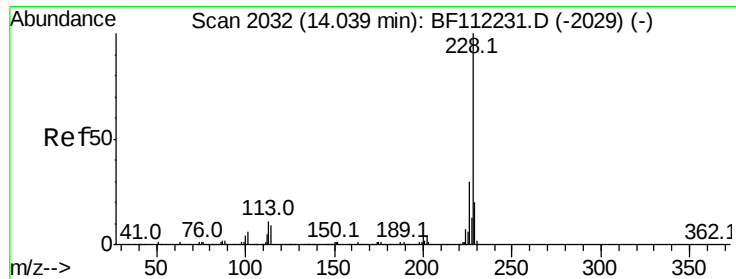


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





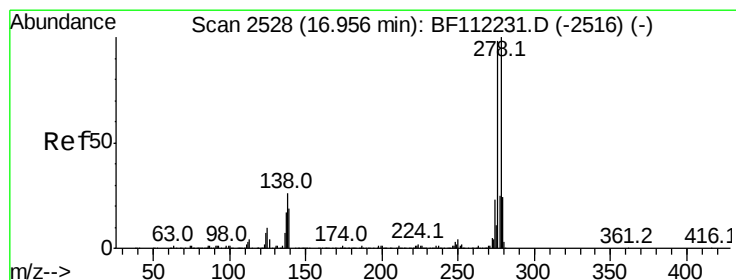
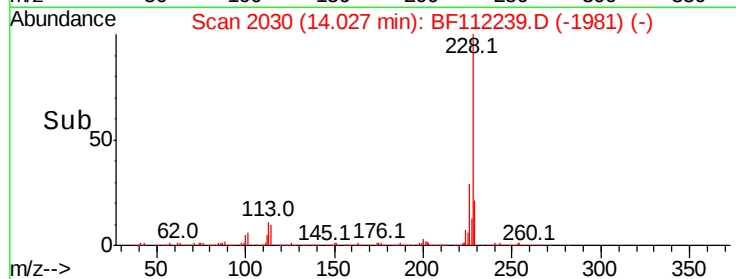
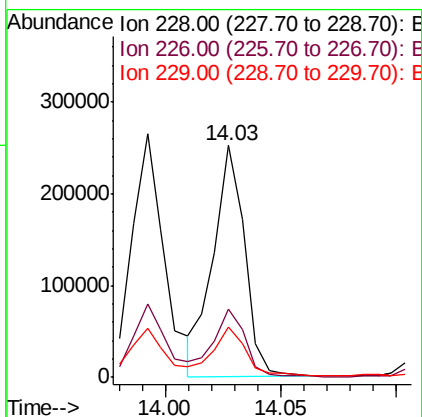
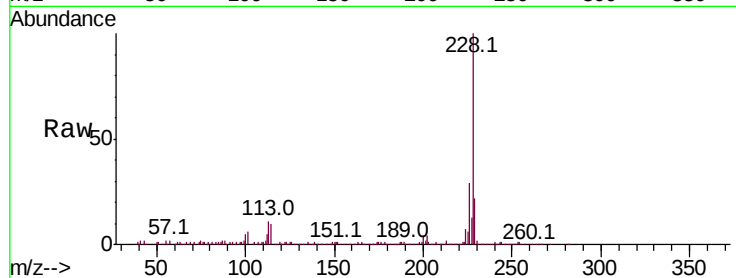
#83
Chrysene
Concen: 11.778 ng
RT: 14.03 min Scan# 2030
Delta R.T. -0.01 min
Lab File: BF112239.D
Acq: 25 Jan 2019 18:37

Instrument :
BNA_F
ClientSampleId :
RBR-200029

Tot Ion:	228	Resp:	237729
Ion Ratio	Lower	Upper	
228	100		
226	29.4	25.0	37.6
229	21.5	16.6	24.8

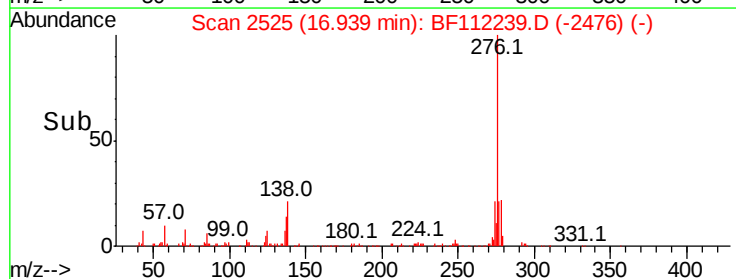
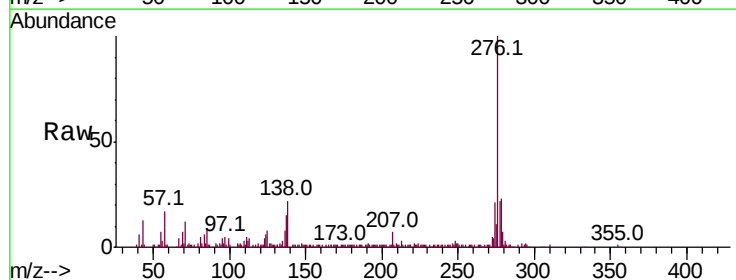
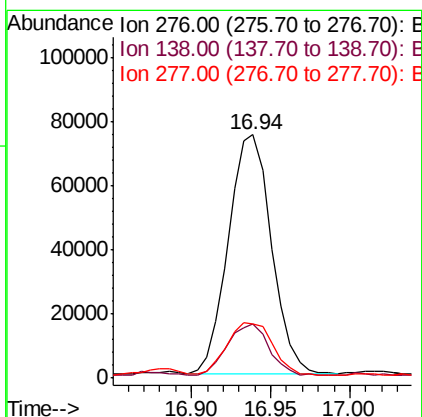
Manual Integrations
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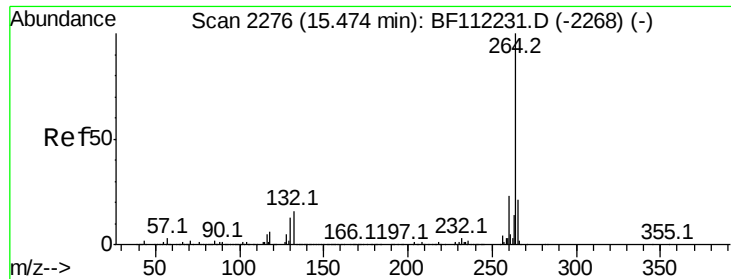
mohammad
1/29/2019 12:31:33 AM



#86
Indeno(1,2,3-cd)pyrene
Concen: 8.780 ng
RT: 16.94 min Scan# 2525
Delta R.T. -0.01 min
Lab File: BF112239.D
Acq: 25 Jan 2019 18:37

Tgt Ion:	276	Resp:	140419
Ion Ratio	Lower	Upper	
276	100		
138	21.2	22.6	34.0#
277	24.1	20.3	30.5





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.47 min Scan# 2275

Delta R.T. 0.00 min

Lab File: BF112239.D

Acq: 25 Jan 2019 18:37

Instrument :

BNA_F

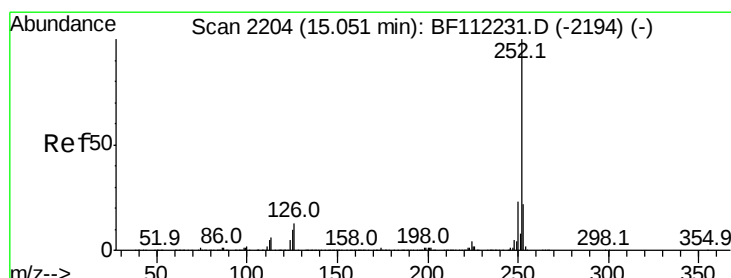
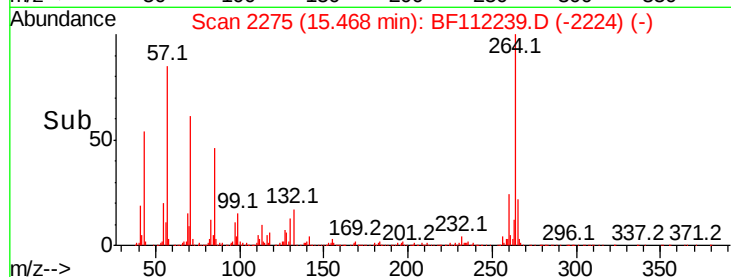
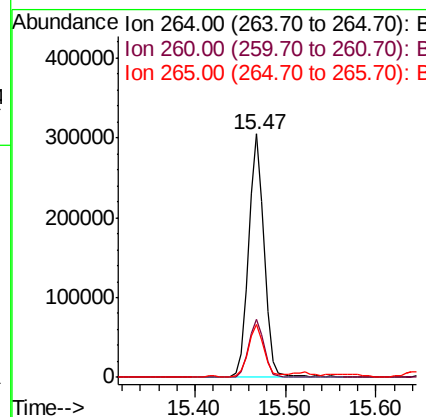
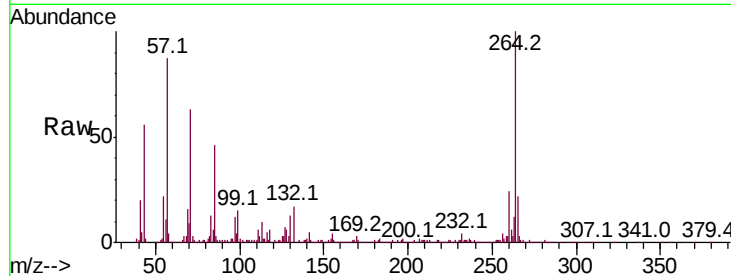
ClientSampleId :

RBR-200029

Tot Ion:	264	Resp:	361163
Ion Ratio	Lower	Upper	
264	100		
260	23.8	18.2	27.2
265	21.8	17.0	25.4

Manual Integrations
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#88

Benzo(b)fluoranthene

Concen: 14.987 ng m

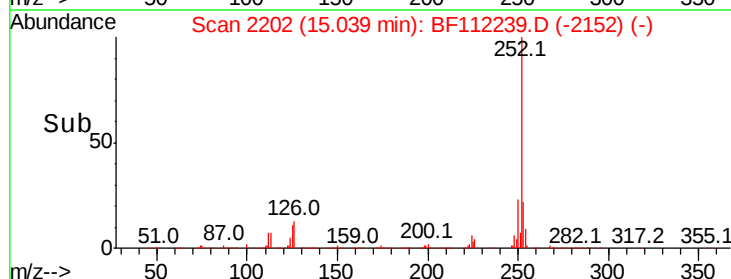
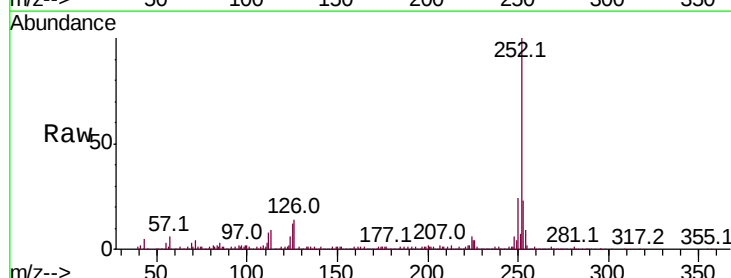
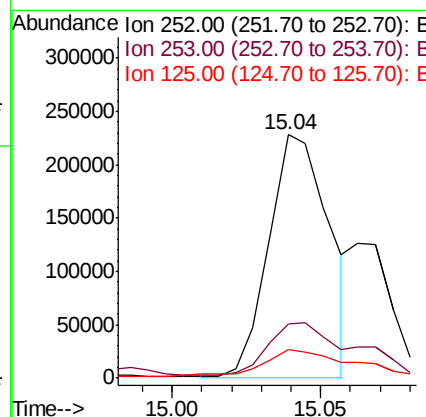
RT: 15.04 min Scan# 2202

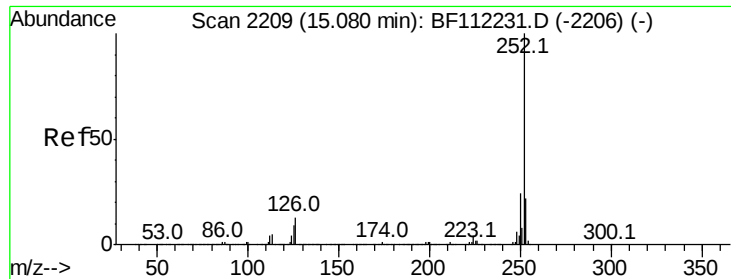
Delta R.T. -0.01 min

Lab File: BF112239.D

Acq: 25 Jan 2019 18:37

Tgt Ion:	252	Resp:	323709
Ion Ratio	Lower	Upper	
252	100		
253	22.5	18.0	27.0
125	11.9	8.7	13.1





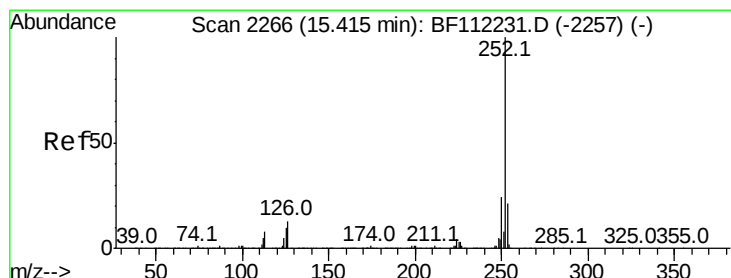
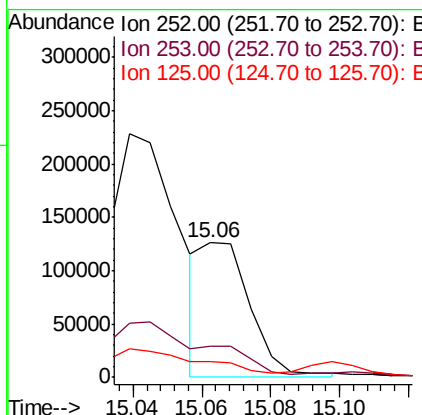
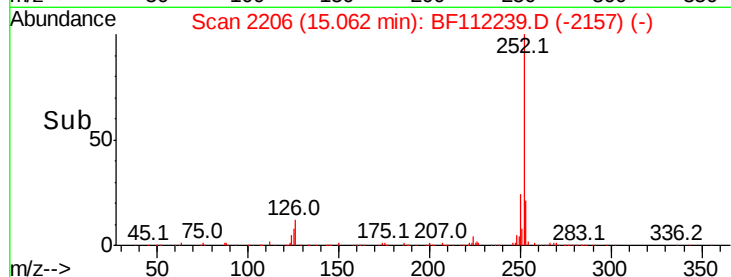
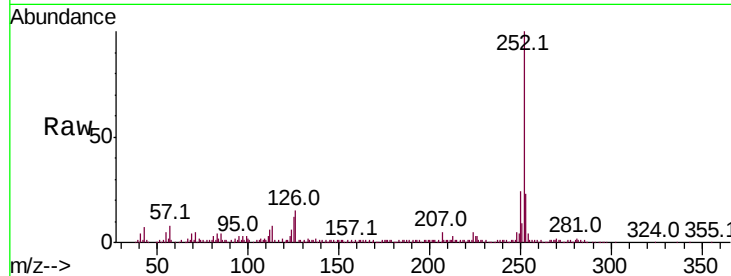
#89
Benzo(k)fluoranthene
Concen: 5.923 ng m
RT: 15.06 min Scan# 2206
Delta R.T. -0.01 min
Lab File: BF112239.D
Acq: 25 Jan 2019 18:37

Instrument :
BNA_F
ClientSampleId :
RBR-200029

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.1	18.0	27.0
125	12.1	9.1	13.7

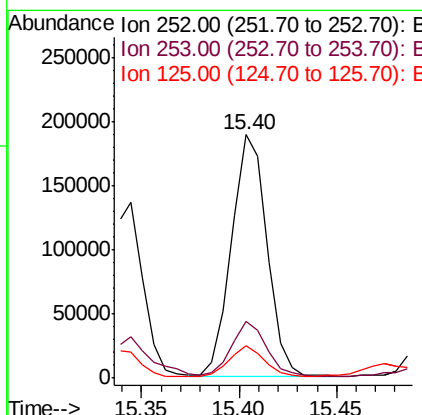
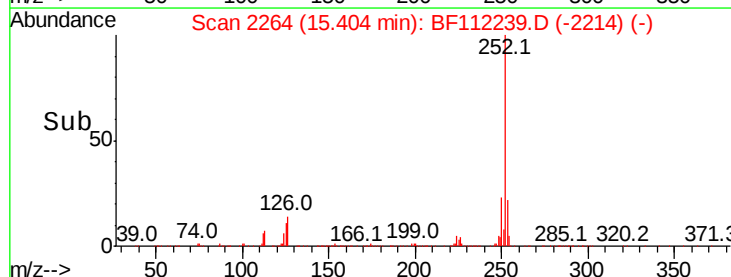
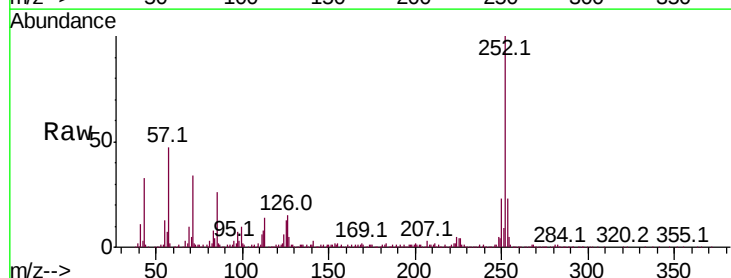
Manual Integrations
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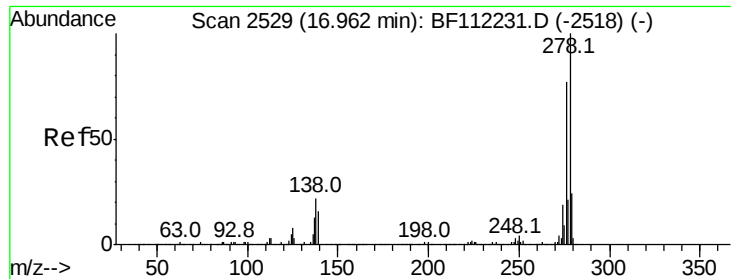
mohammad
1/29/2019 12:31:33 AM



#90
Benzo(a)pyrene
Concen: 12.351 ng
RT: 15.40 min Scan# 2264
Delta R.T. -0.01 min
Lab File: BF112239.D
Acq: 25 Jan 2019 18:37

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.5	26.3
125	13.5	9.0	13.4#





#91

Dibenzo(a,h)anthracene

Concen: 2.247 ng

RT: 16.94 min Scan# 2525

Delta R.T. -0.02 min

Lab File: BF112239.D

Acq: 25 Jan 2019 18:37

Instrument :

BNA_F

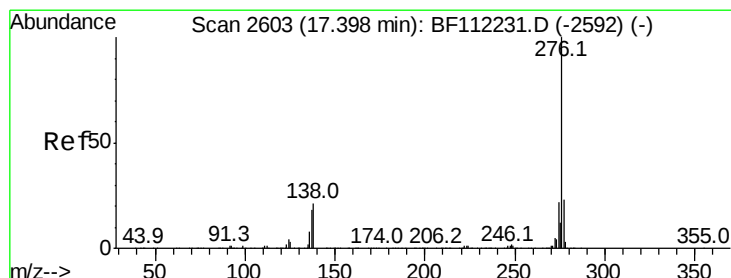
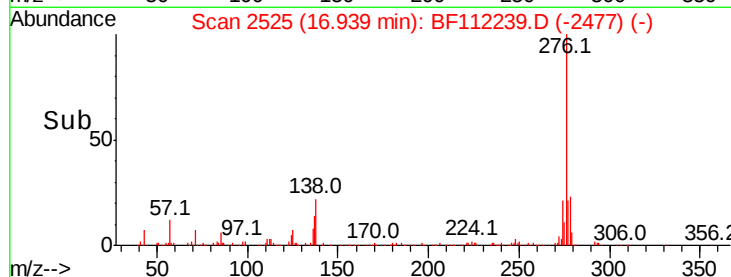
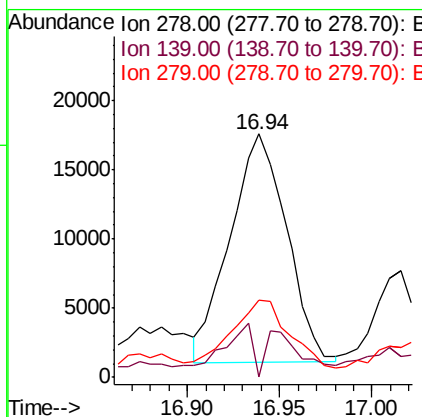
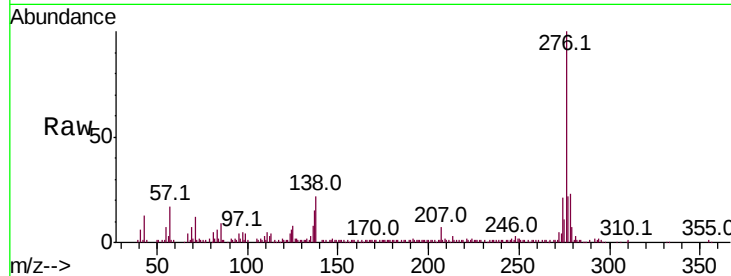
ClientSampleId :

RBR-200029

Tot Ion:	278	Resp:	35191
Ion Ratio	Lower	Upper	
278	100		
139	0.0	13.7	20.5#
279	31.6	19.0	28.6#

Manual Integrations
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mohammad
1/29/2019 12:31:33 AM



#92

Benzo(g,h,i)perylene

Concen: 9.087 ng

RT: 17.39 min Scan# 2601

Delta R.T. -0.01 min

Lab File: BF112239.D

Acq: 25 Jan 2019 18:37

Tgt Ion:	276	Resp:	134282
Ion Ratio	Lower	Upper	
276	100		
277	25.0	19.4	29.0
138	22.9	19.1	28.7

