

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070919\
 Data File : BF115442.D
 Acq On : 9 Jul 2019 19:28
 Operator : HP/JU
 Sample : K3697-04
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RBR-200035

Manual Integrations
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 7/10/2019 6:16:56 PM

Quant Time: Jul 10 04:52:01 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF070519.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 09 16:29:09 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	174947	20.00	ng	0.00
21) Naphthalene-d8	8.17	136	678215	20.00	ng	0.00
39) Acenaphthene-d10	9.93	164	349412	20.00	ng	0.00
64) Phenanthrene-d10	11.41	188	684863	20.00	ng	0.00
76) Chrysene-d12	14.14	240	433030	20.00	ng	-0.07
87) Perylene-d12	15.75	264	429669	20.00	ng	-0.13
System Monitoring Compounds						
5) 2-Fluorophenol	5.52	112	1313212	115.98	ng	0.00
7) Phenol-d6	6.53	99	1714367	119.05	ng	0.00
23) Nitrobenzene-d5	7.45	82	1082264	94.28	ng	0.00
42) 2,4,6-Tribromophenol	10.72	330	489547	126.72	ng	0.00
45) 2-Fluorobiphenyl	9.25	172	1662229	83.48	ng	0.00
79) Terphenyl-d14	13.02	244	1896534	89.67	ng	-0.02
Target Compounds						
50) Dimethylphthalate	9.64	163	401965	15.327	ng	98
71) Phenanthrene	11.43	178	91169	2.531	ng	98
75) Fluoranthene	12.63	202	282156	7.440	ng	99
78) Pyrene	12.86	202	306892	9.113	ng	98
81) Benzo(a)anthracene	14.13	228	185330	6.680	ng	95
83) Chrysene	14.17	228	183503	6.437	ng	98
88) Benzo(b)fluoranthene	15.30	252	206504m	7.382	ng	
89) Benzo(k)fluoranthene	15.33	252	81811m	3.288	ng	
90) Benzo(a)pyrene	15.68	252	161927	6.711	ng	99
92) Benzo(g,h,i)perylene	17.70	276	114615	5.873	ng	99

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

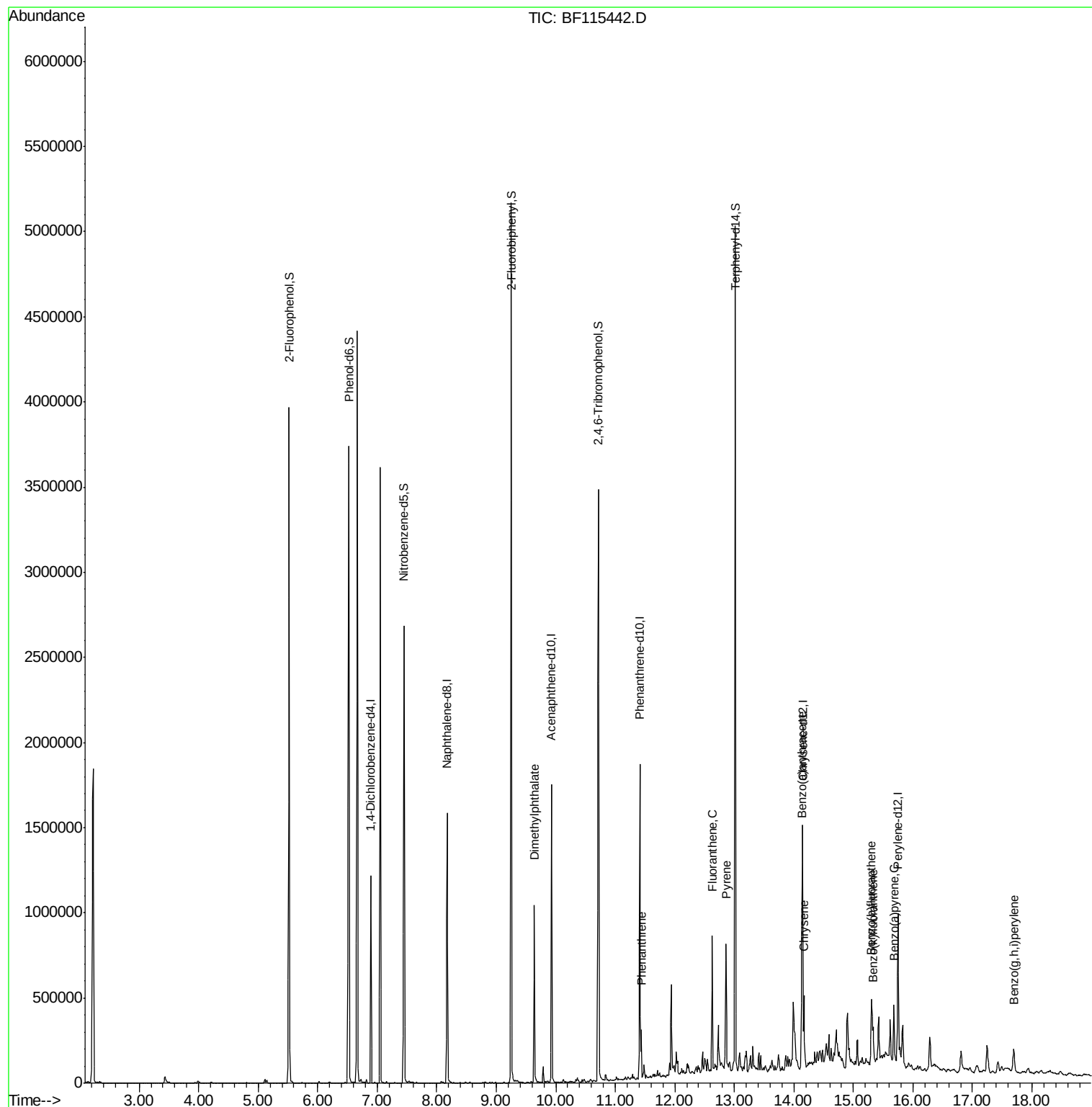
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070919\
Data File : BF115442.D
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Operator : HP/JU
Sample : K3697-04
Misc :
ALS Vial : 10 Sample Multiplier: 1

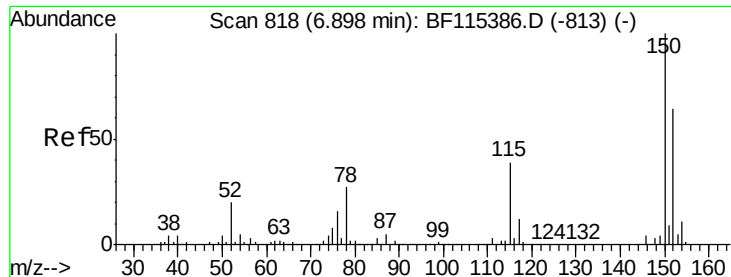
Instrument :
BNA_F
ClientSampleId :
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#1

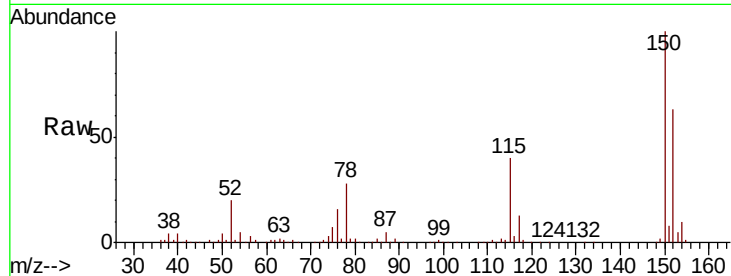
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.89 min Scan# 817
Delta R.T. -0.01 min
Lab File: BF115442.D
Acq: 9 Jul 2019 19:28

Instrument :
BNA_F
ClientSampleId :
RBR-200035

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.7	126.5	189.7
115	63.1	48.6	73.0

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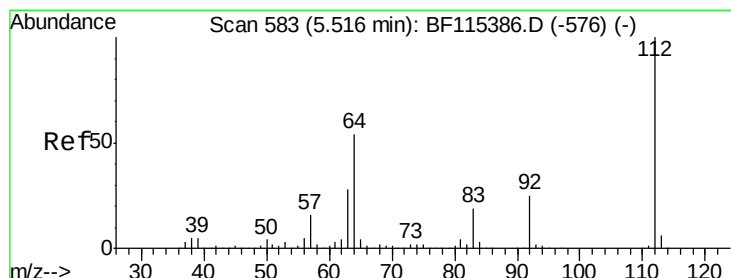
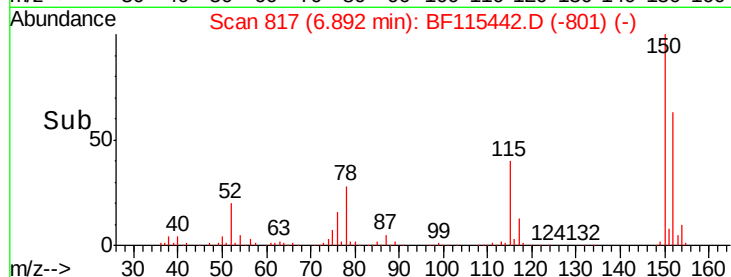
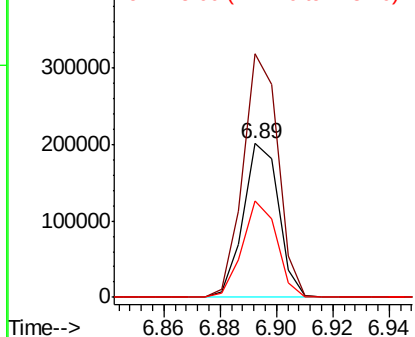


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

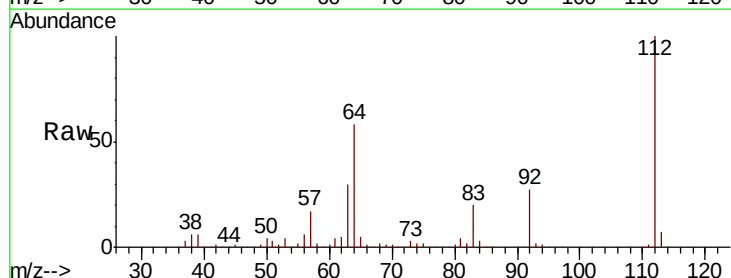
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 115.975 ng
RT: 5.52 min Scan# 584
Delta R.T. 0.01 min
Lab File: BF115442.D
Acq: 9 Jul 2019 19:28

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.1	47.0	70.4
63	29.6	23.7	35.5

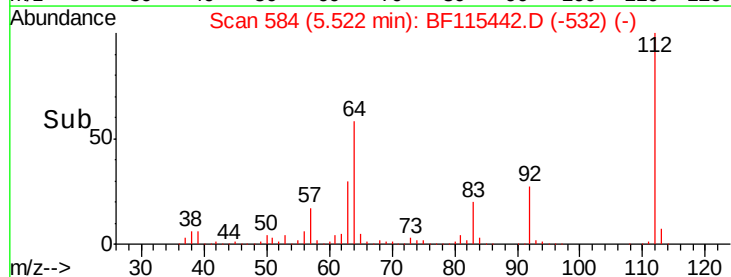
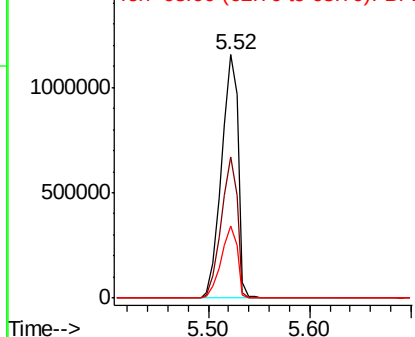


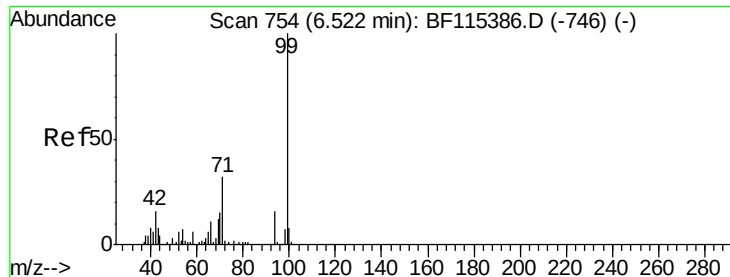
Abundance

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: 119.047 ng

RT: 6.53 min Scan# 755

Delta R.T. 0.00 min

Lab File: BF115442.D

Acq: 9 Jul 2019 19:28

Instrument :

BNA_F

ClientSampleId :

RBR-200035

Tot Ion: 99 Resp: 1714367

Ion Ratio Lower Upper

99 100

42 15.4 12.7 19.1

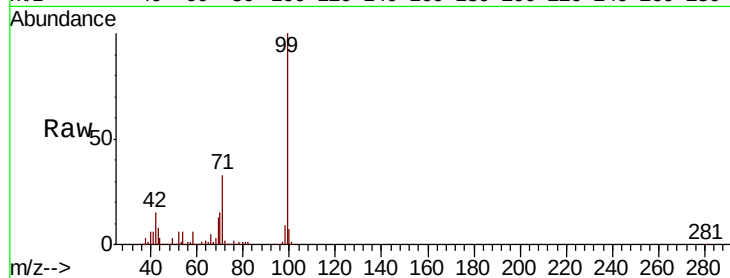
71 33.2 26.2 39.2

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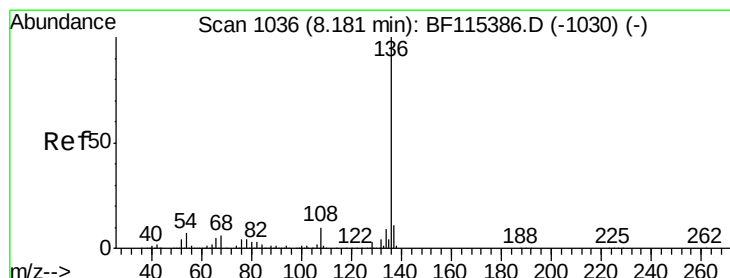
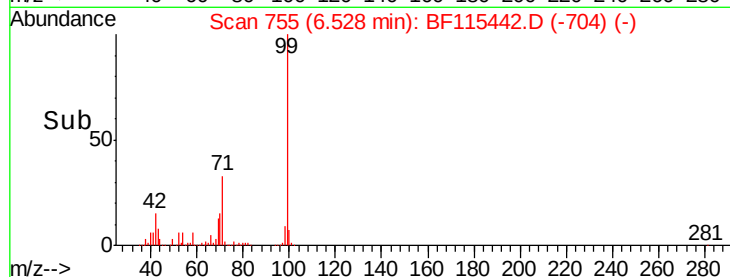
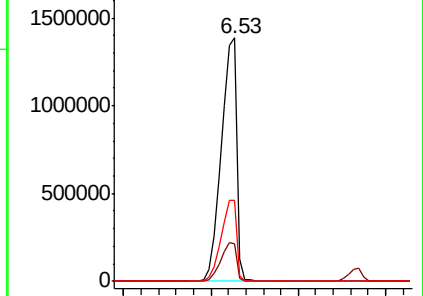
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Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.17 min Scan# 1035

Delta R.T. -0.01 min

Lab File: BF115442.D

Acq: 9 Jul 2019 19:28

Tgt Ion: 136 Resp: 678215

Ion Ratio Lower Upper

136 100

137 10.9 8.9 13.3

54 7.0 5.5 8.3

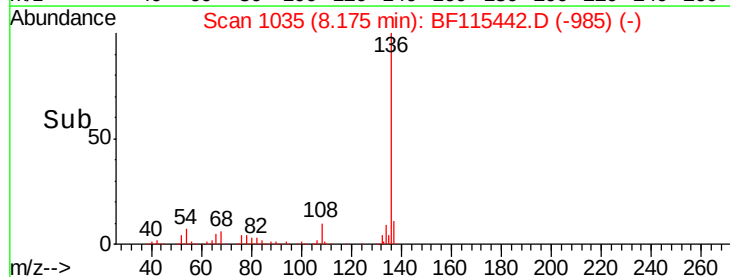
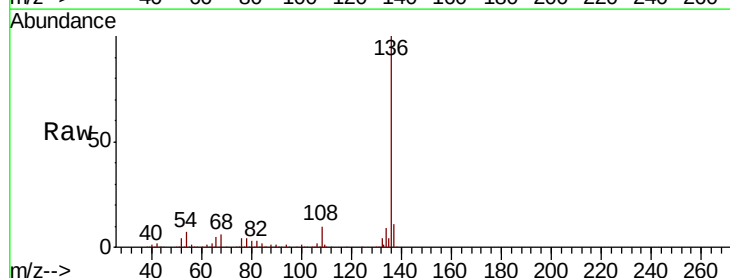
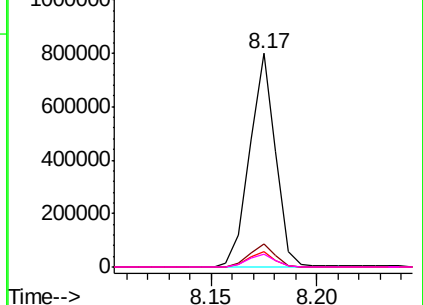
68 6.2 5.1 7.7

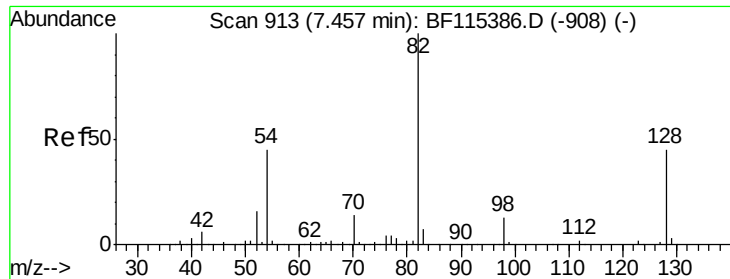
Abundance Ion 136.00 (135.70 to 136.70): E

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





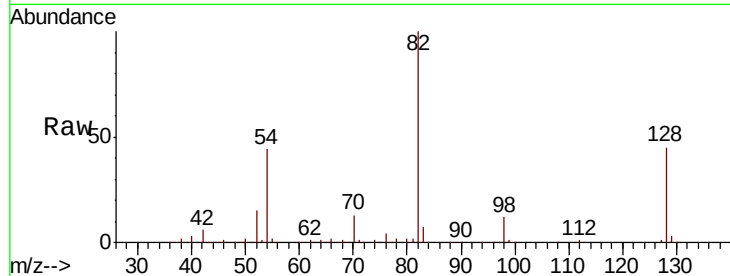
#23
Nitrobenzene-d5
Concen: 94.282 ng
RT: 7.45 min Scan# 912
Delta R.T. -0.01 min
Lab File: BF115442.D
Acq: 9 Jul 2019 19:28

Instrument :
BNA_F
ClientSampleId :
RBR-200035

Tot Ion	82	Resp	1082264
Ion Ratio	100	Lower	Upper
128	45.4	36.2	54.4
54	44.4	35.4	53.0

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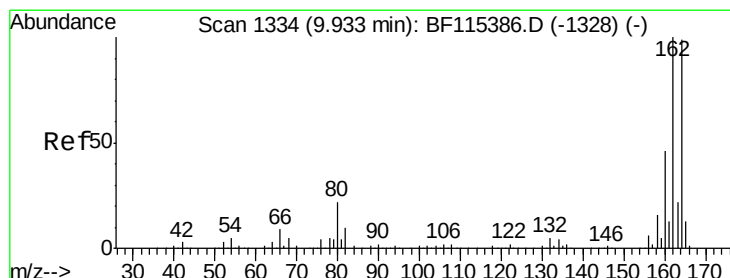
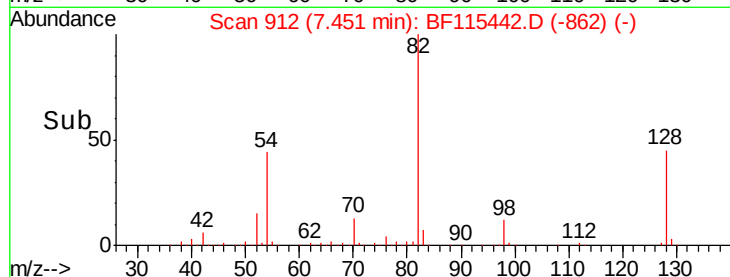
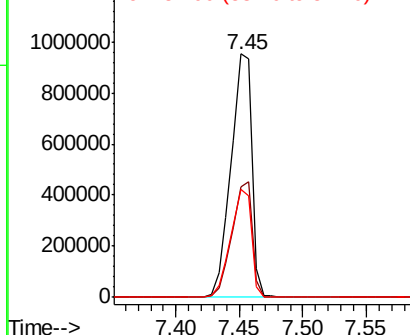


Abundance

Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): BF1

Ion 54.00 (53.70 to 54.70): BF1



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.93 min Scan# 1333
Delta R.T. -0.01 min
Lab File: BF115442.D
Acq: 9 Jul 2019 19:28

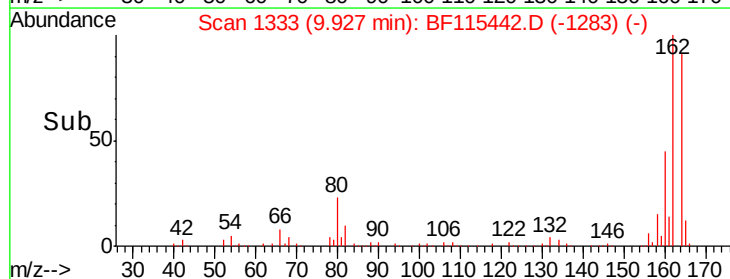
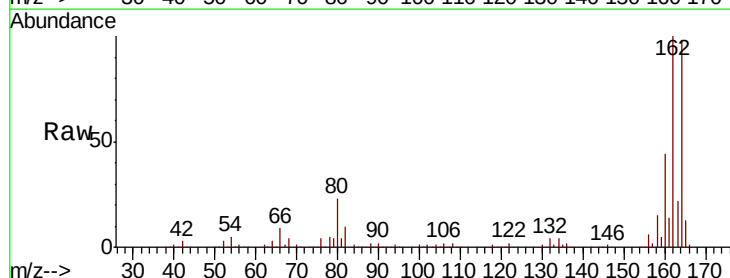
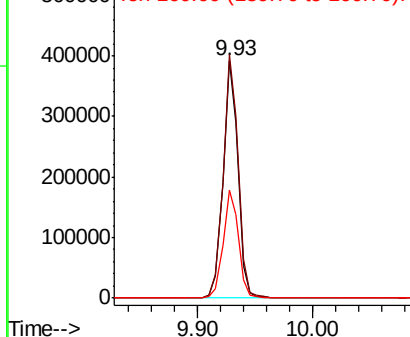
Tgt Ion	164	Resp	349412
Ion Ratio	100	Lower	Upper
162	102.4	81.5	122.3
160	45.4	36.6	55.0

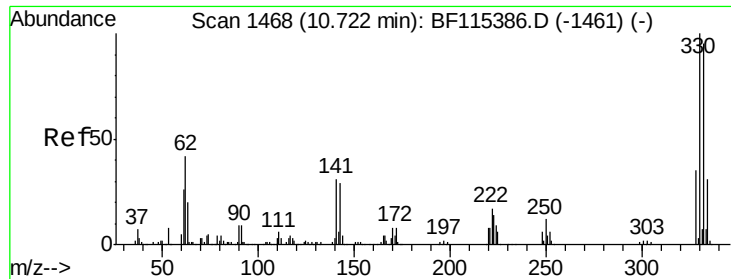
Abundance

Ion 164.00 (163.70 to 164.70): BF1

Ion 162.00 (161.70 to 162.70): BF1

Ion 160.00 (159.70 to 160.70): BF1





#42

2,4,6-Tribromophenol

Concen: 126.716 ng

RT: 10.72 min Scan# 1467

Delta R.T. -0.01 min

Lab File: BF115442.D

Acq: 9 Jul 2019 19:28

Instrument :

BNA_F

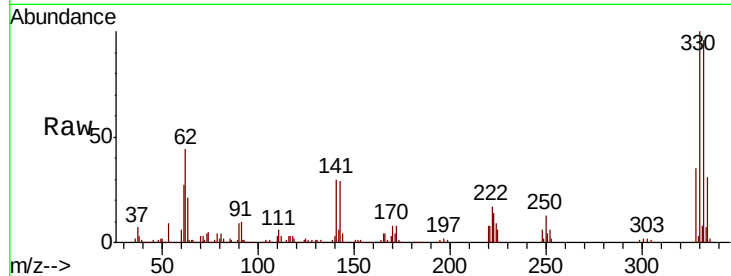
ClientSampleId :

RBR-200035

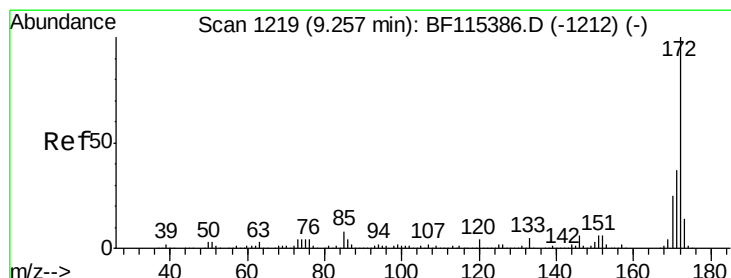
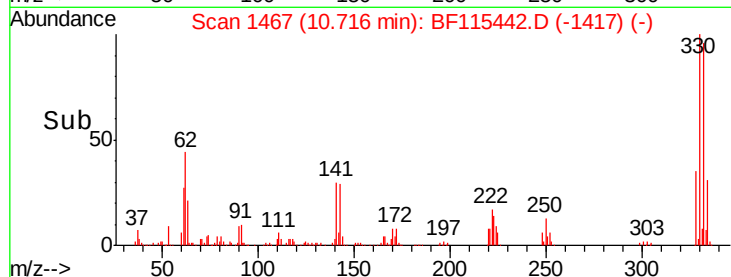
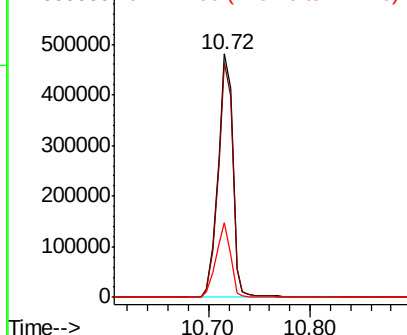
Tot Ion:	330	Resp:	489547
Ion Ratio	Lower	Upper	
330	100		
332	96.3	76.6	115.0
141	30.6	25.1	37.7

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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: 83.477 ng

RT: 9.25 min Scan# 1218

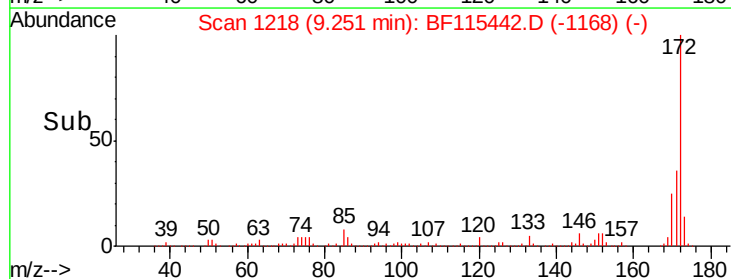
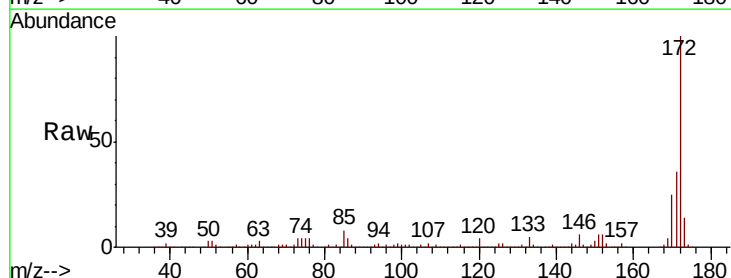
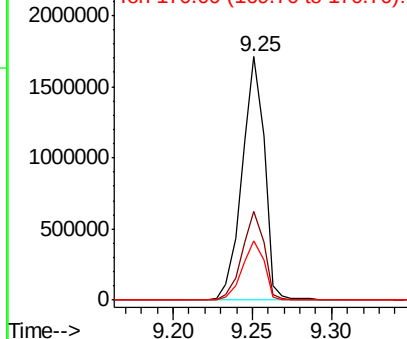
Delta R.T. -0.01 min

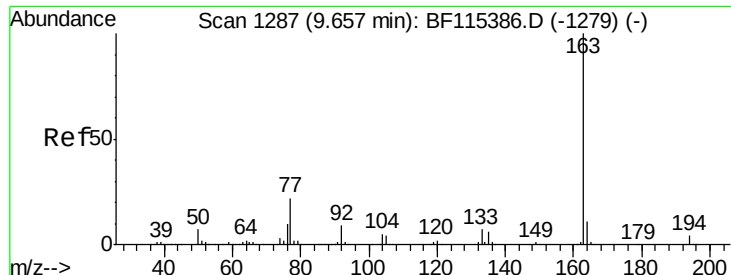
Lab File: BF115442.D

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Tgt Ion:	172	Resp:	1662229
Ion Ratio	Lower	Upper	
172	100		
171	36.3	29.8	44.8
170	24.5	19.8	29.6

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





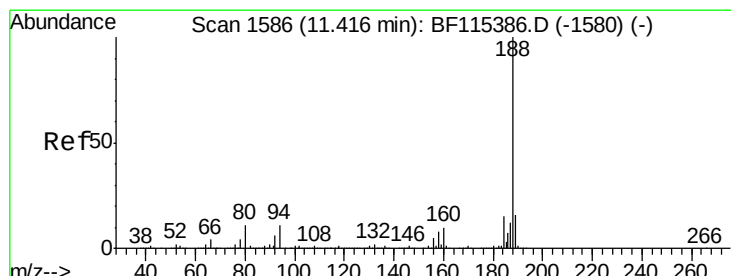
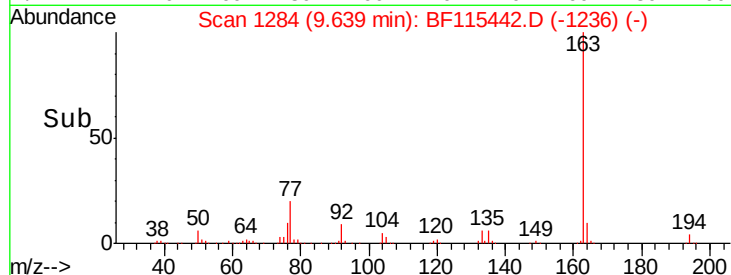
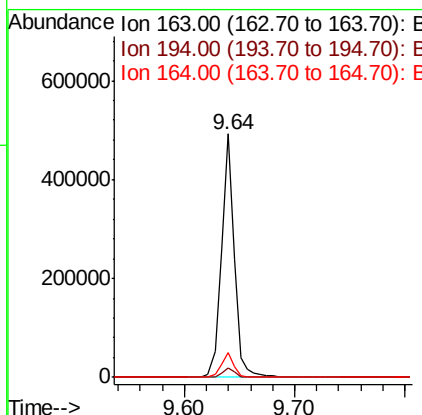
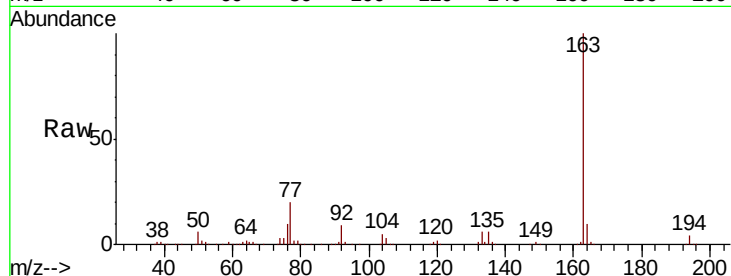
#50
Dimethylphthalate
Concen: 15.327 ng
RT: 9.64 min Scan# 1284
Delta R.T. -0.02 min
Lab File: BF115442.D
Acq: 9 Jul 2019 19:28

Instrument :
BNA_F
ClientSampleId :
RBR-200035

Tot Ion	Ratio	Resp	Lower	Upper
163	100	401965		
194	3.8		3.3	4.9
164	9.9		8.5	12.7

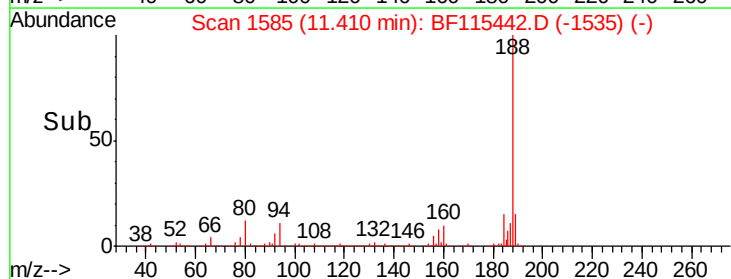
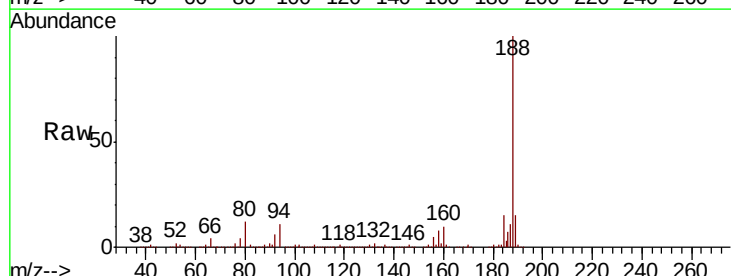
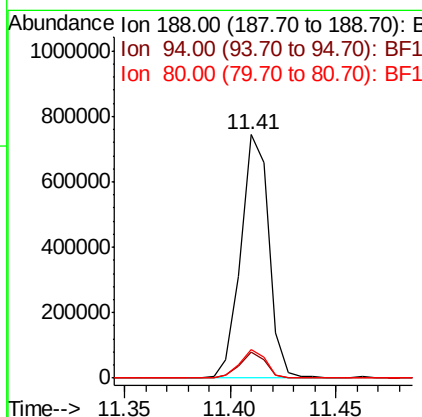
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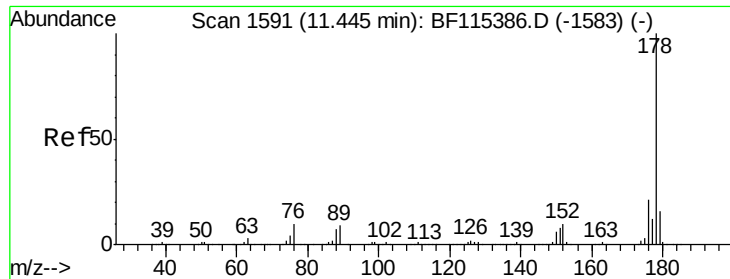
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#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.41 min Scan# 1585
Delta R.T. -0.01 min
Lab File: BF115442.D
Acq: 9 Jul 2019 19:28

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	684863		
94	10.5		8.1	12.1
80	11.9		8.6	13.0





#71

Phenanthrene

Concen: 2.531 ng

RT: 11.43 min Scan# 1589

Delta R.T. -0.01 min

Lab File: BF115442.D

Acq: 9 Jul 2019 19:28

Instrument :

BNA_F

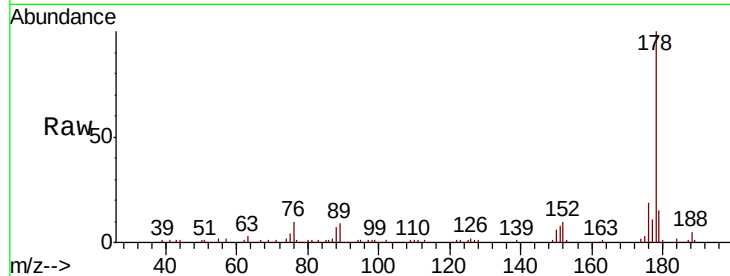
ClientSampleId :

RBR-200035

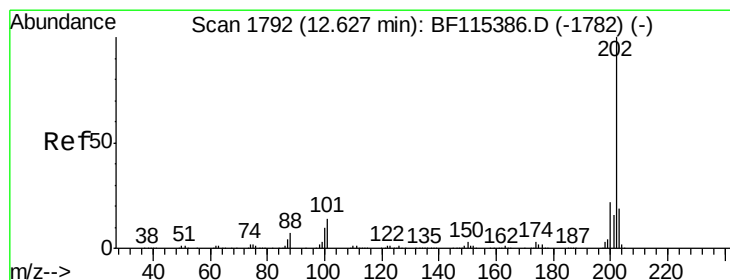
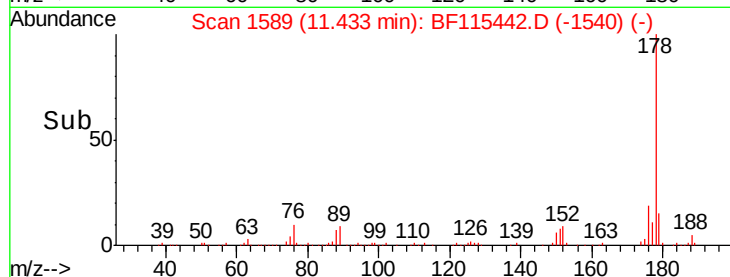
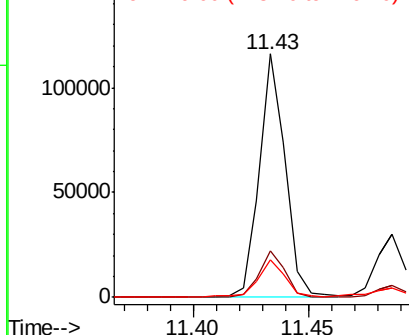
Tot Ion:	178	Resp:	91169
Ion Ratio	Lower	Upper	
178	100		
176	19.0	16.2	24.2
179	15.2	12.9	19.3

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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: 7.440 ng

RT: 12.63 min Scan# 1792

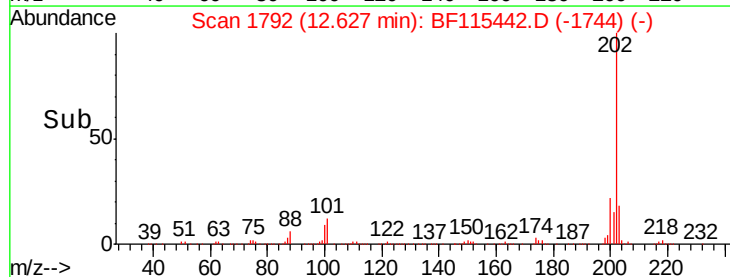
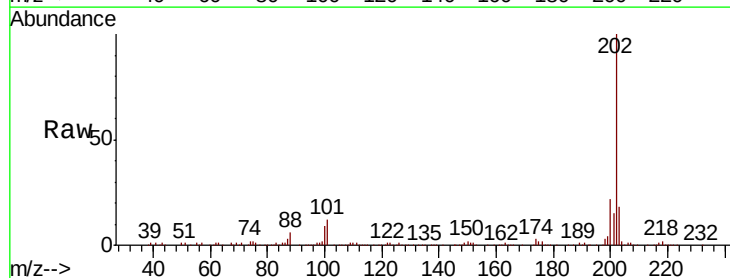
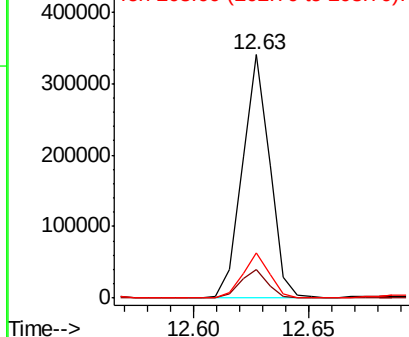
Delta R.T. -0.02 min

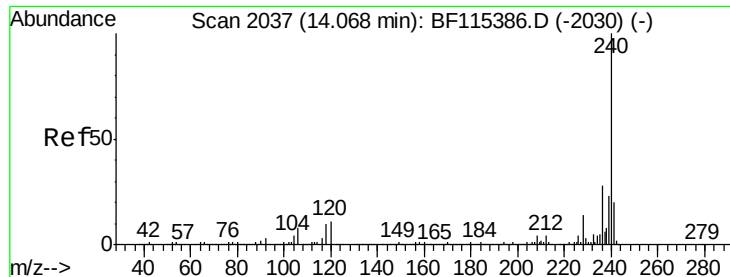
Lab File: BF115442.D

Acq: 9 Jul 2019 19:28

Tgt Ion:	202	Resp:	282156
Ion Ratio	Lower	Upper	
202	100		
101	11.7	0.0	32.8
203	18.3	0.0	38.1

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





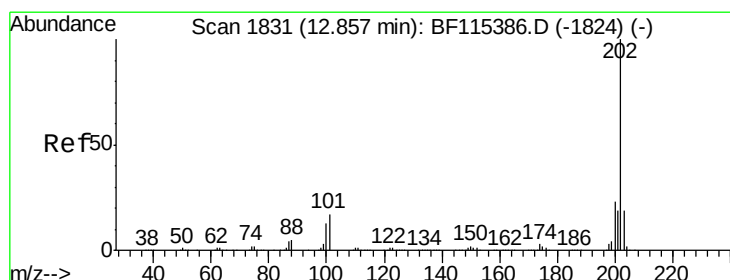
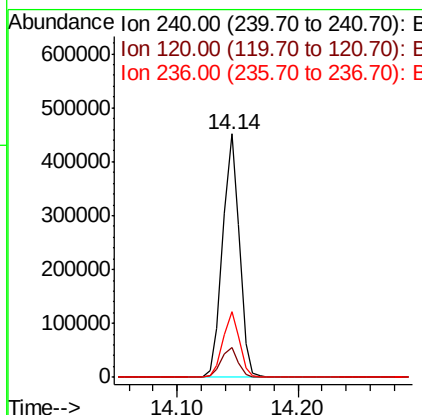
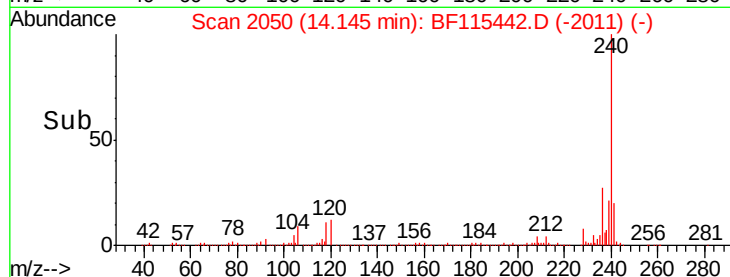
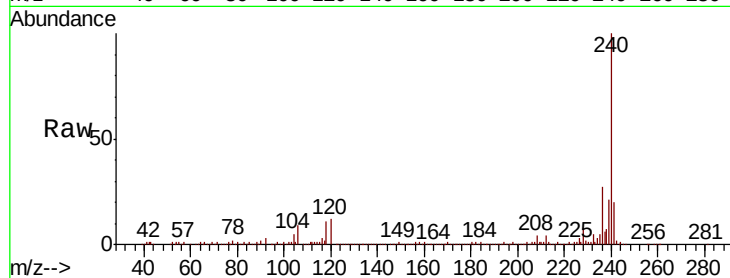
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.14 min Scan# 2050
Delta R.T. -0.07 min
Lab File: BF115442.D
Acq: 9 Jul 2019 19:28

Instrument :
BNA_F
ClientSampleId :
RBR-200035

Tot Ion	Ratio	Lower	Upper
240	100		
120	12.1	9.6	14.4
236	27.2	21.6	32.4

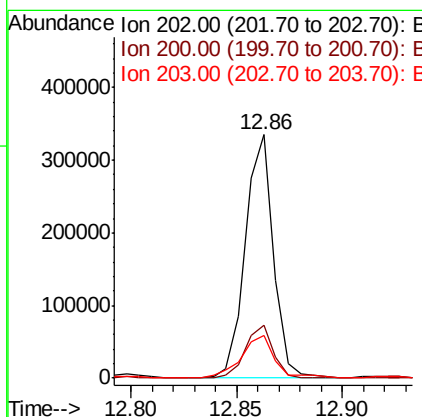
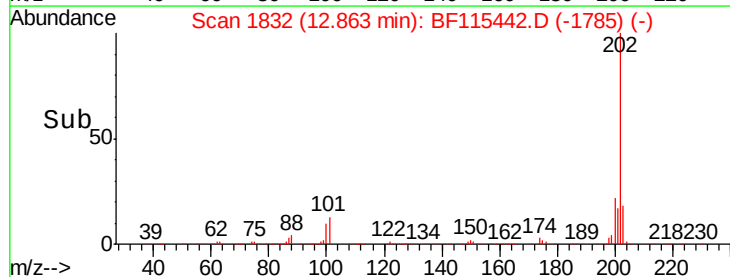
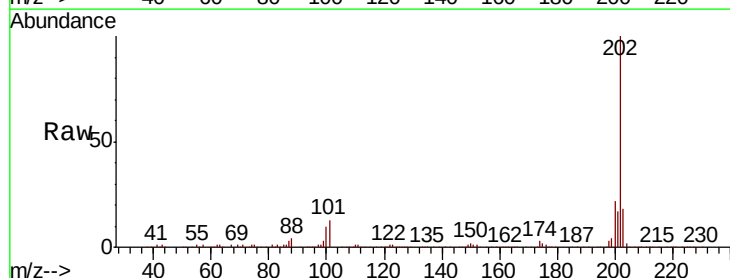
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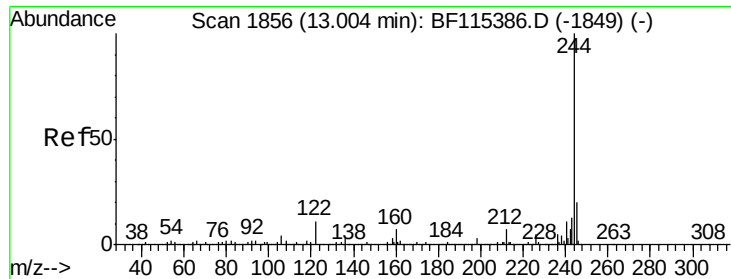
mohammad
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#78
Pyrene
Concen: 9.113 ng
RT: 12.86 min Scan# 1832
Delta R.T. -0.02 min
Lab File: BF115442.D
Acq: 9 Jul 2019 19:28

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.6	18.2	27.4
203	17.7	14.7	22.1





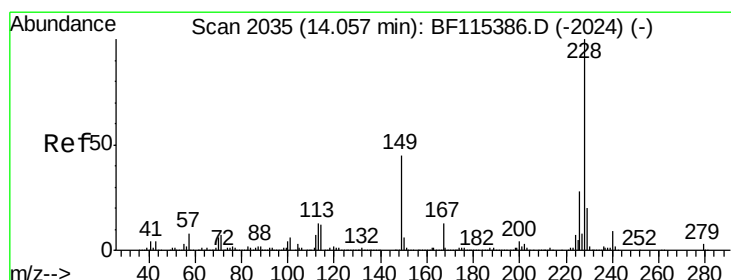
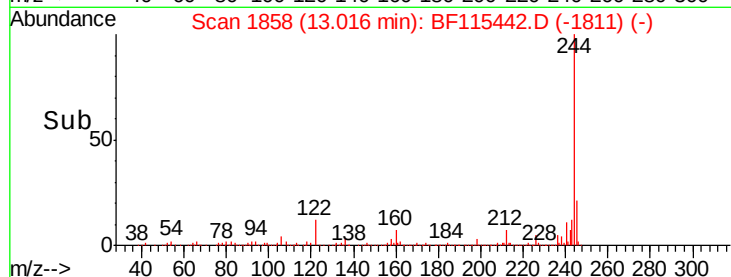
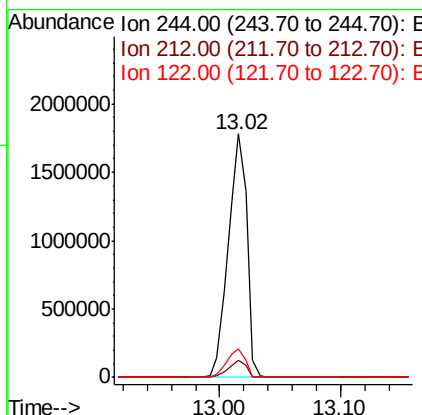
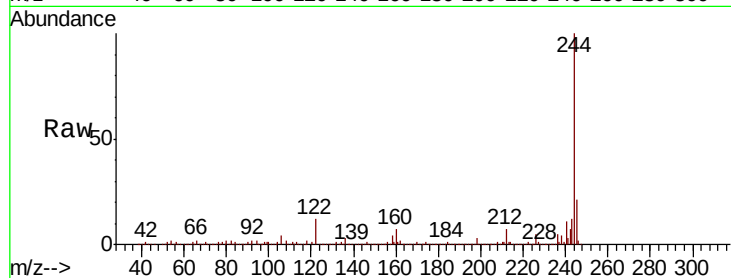
#79
 Terphenyl-d14
 Concen: 89.674 ng
 RT: 13.02 min Scan# 1858
 Delta R.T. -0.02 min
 Lab File: BF115442.D
 Acq: 9 Jul 2019 19:28

Instrument :
 BNA_F
 ClientSampleId :
 RBR-200035

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.2	5.7	8.5
122	12.0	9.3	13.9

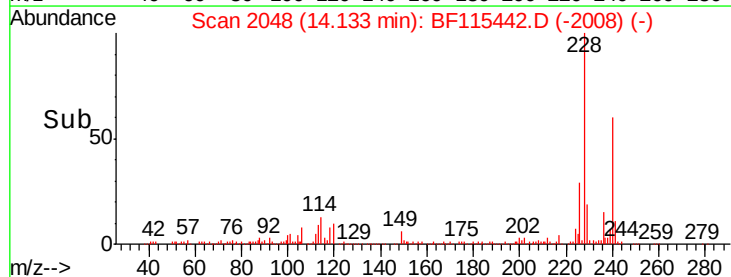
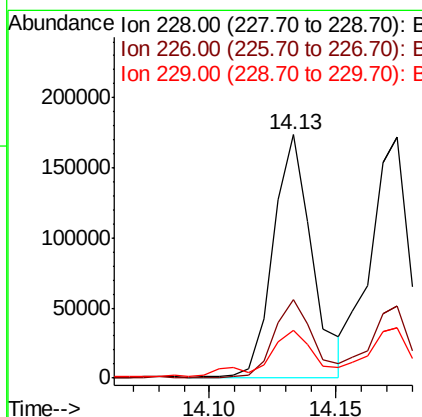
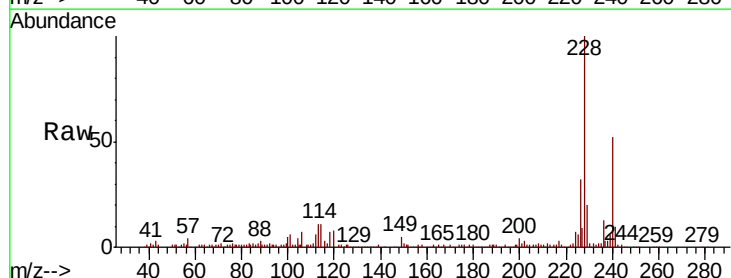
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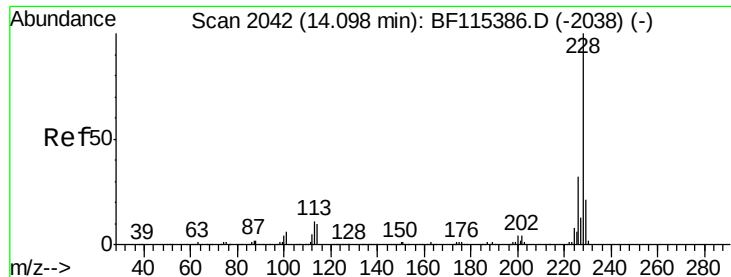
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#81
 Benzo(a)anthracene
 Concen: 6.680 ng
 RT: 14.13 min Scan# 2048
 Delta R.T. -0.06 min
 Lab File: BF115442.D
 Acq: 9 Jul 2019 19:28

Tgt Ion	Ratio	Lower	Upper
228	100		
226	32.4	22.5	33.7
229	19.8	16.4	24.6





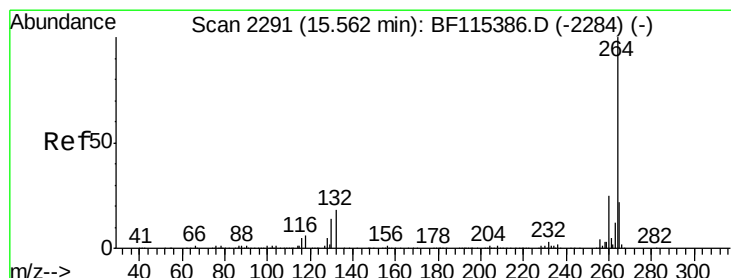
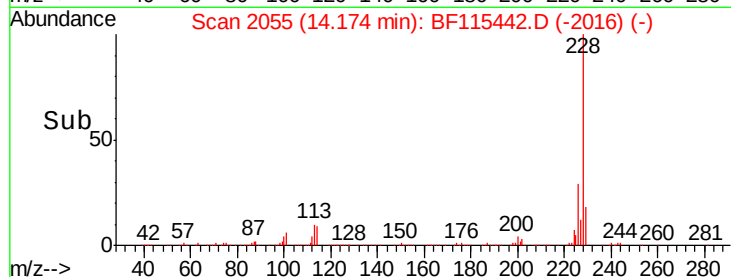
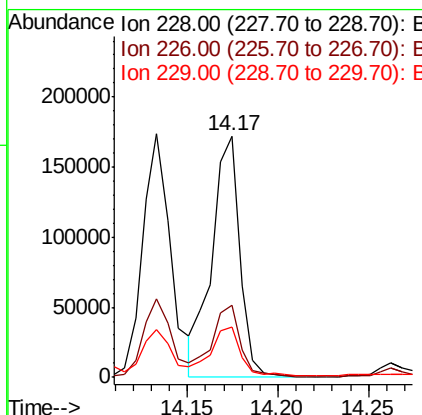
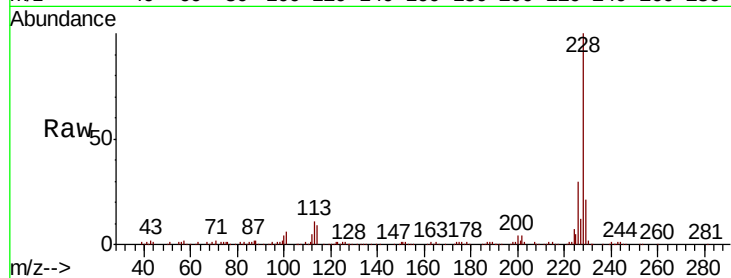
#83
Chrysene
Concen: 6.437 ng
RT: 14.17 min Scan# 2055
Delta R.T. -0.07 min
Lab File: BF115442.D
Acq: 9 Jul 2019 19:28

Instrument :
BNA_F
ClientSampleId :
RBR-200035

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.7	25.0	37.4
229	21.0	16.2	24.4

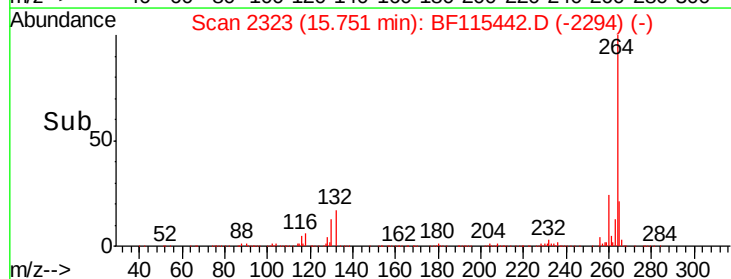
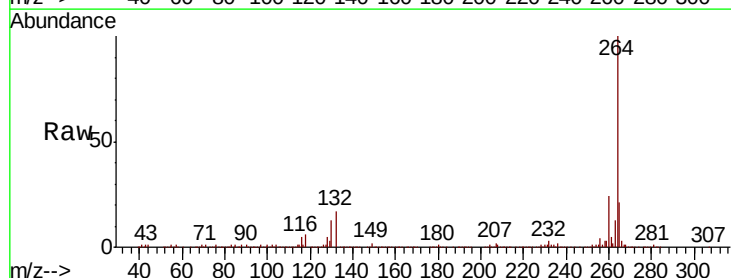
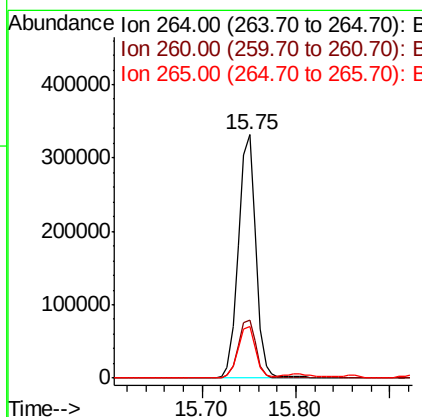
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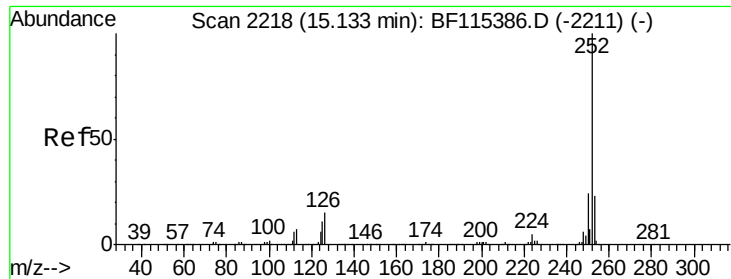
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#87
Perylene-d12
Concen: 20.000 ng
RT: 15.75 min Scan# 2323
Delta R.T. -0.13 min
Lab File: BF115442.D
Acq: 9 Jul 2019 19:28

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.4	29.2
265	21.3	17.2	25.8





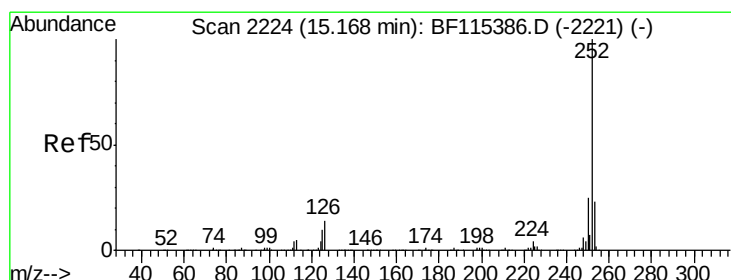
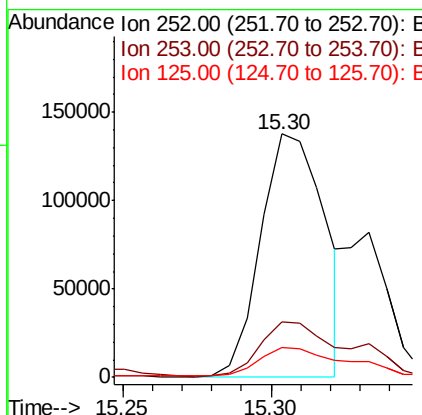
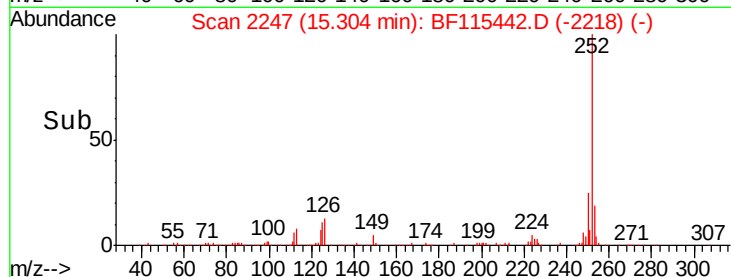
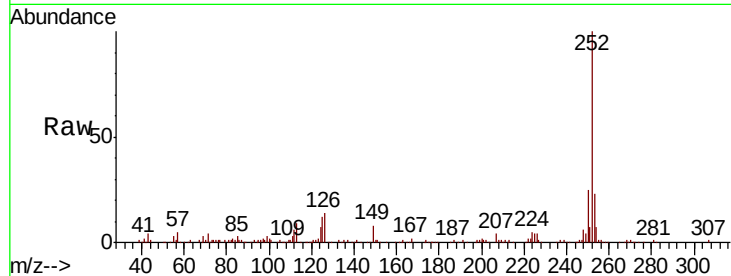
#88
Benzo(b)fluoranthene
Concen: 7.382 ng m
RT: 15.30 min Scan# 2247
Delta R.T. -0.13 min
Lab File: BF115442.D
Acq: 9 Jul 2019 19:28

Instrument :
BNA_F
ClientSampleId :
RBR-200035

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.9	26.9
125	12.1	9.0	13.6

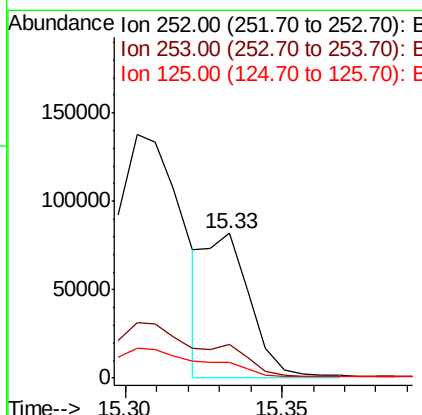
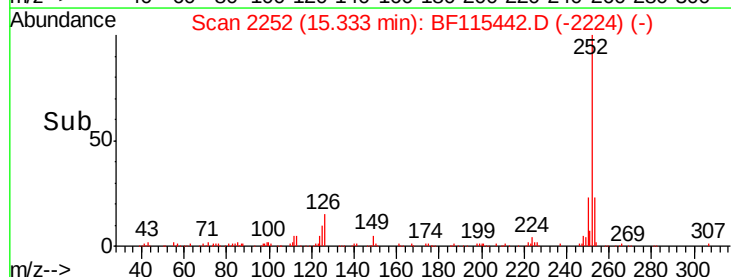
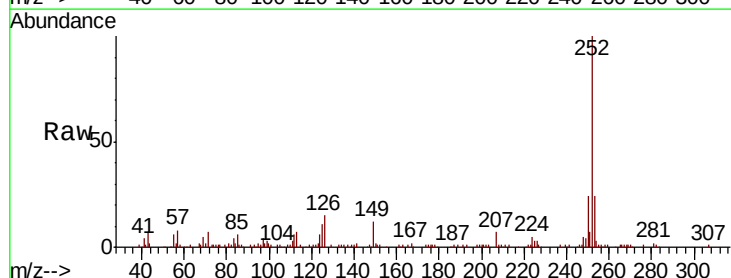
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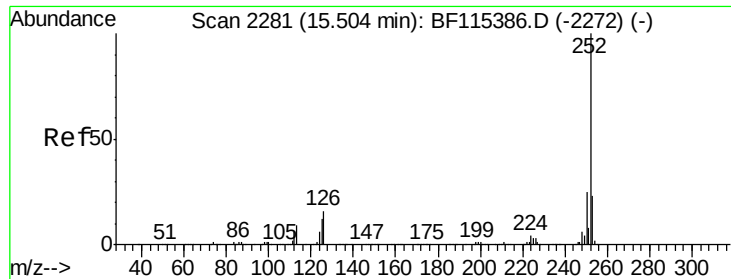
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#89
Benzo(k)fluoranthene
Concen: 3.288 ng m
RT: 15.33 min Scan# 2252
Delta R.T. -0.14 min
Lab File: BF115442.D
Acq: 9 Jul 2019 19:28

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.7	18.5	27.7
125	11.2	9.0	13.6





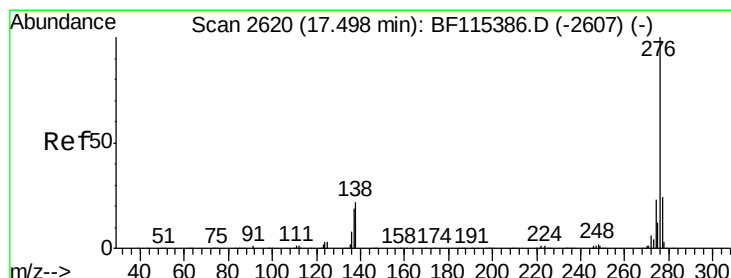
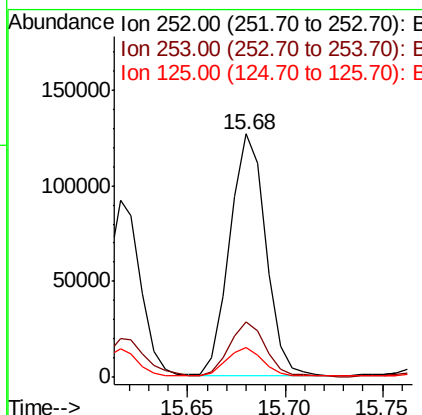
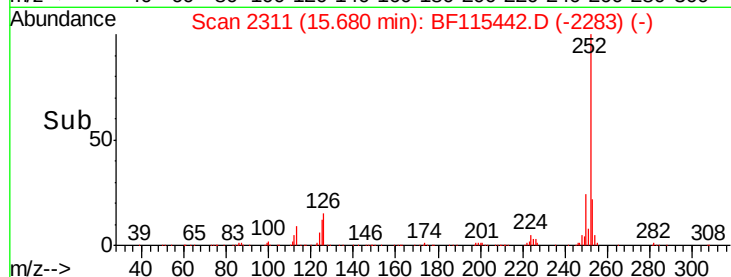
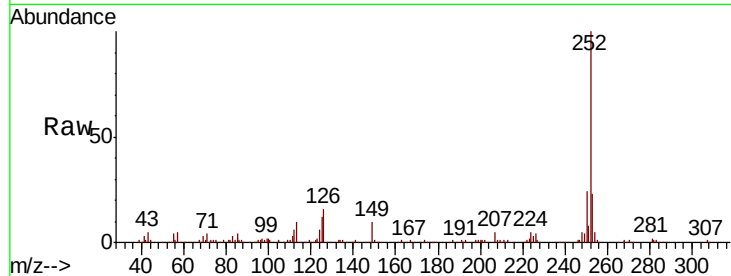
#90
Benzo(a)pyrene
Concen: 6.711 ng
RT: 15.68 min Scan# 2311
Delta R.T. -0.14 min
Lab File: BF115442.D
Acq: 9 Jul 2019 19:28

Instrument :
BNA_F
ClientSampleId :
RBR-200035

Tot Ion:	252	Resp:	161927
Ion Ratio		Lower	Upper
252	100		
253	23.0	17.8	26.8
125	12.1	10.0	15.0

Manual Integrations
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#92
Benzo(g,h,i)perylene
Concen: 5.873 ng
RT: 17.70 min Scan# 2654
Delta R.T. -0.16 min
Lab File: BF115442.D
Acq: 9 Jul 2019 19:28

Tgt Ion:	276	Resp:	114615
Ion Ratio		Lower	Upper
276	100		
277	23.9	18.9	28.3
138	22.9	17.8	26.8

