

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071619\
 Data File : BF115602.D
 Acq On : 16 Jul 2019 17:30
 Operator : HP/JU
 Sample : K3830-07
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RBR-200027

Manual Integrations
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mohammad
 7/17/2019 12:06:20 PM

Quant Time: Jul 17 04:58:34 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF071219.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 12 14:03:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.88	152	182576	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	737855	20.00	ng	0.00
39) Acenaphthene-d10	9.92	164	367110	20.00	ng	-0.01
64) Phenanthrene-d10	11.40	188	680976	20.00	ng	0.00
76) Chrysene-d12	14.04	240	381199	20.00	ng	-0.01
87) Perylene-d12	15.51	264	461202	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.51	112	1445903	129.54	ng	0.00
7) Phenol-d6	6.52	99	1865200	131.69	ng	0.00
23) Nitrobenzene-d5	7.44	82	1204851	94.95	ng	-0.01
42) 2,4,6-Tribromophenol	10.71	330	458308	106.95	ng	0.00
45) 2-Fluorobiphenyl	9.24	172	1901091	90.64	ng	-0.01
79) Terphenyl-d14	12.99	244	1637160	79.25	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
50) Dimethylphthalate	9.63	163	368741	13.350	ng	99
71) Phenanthrene	11.43	178	290556	8.324	ng	95
72) Anthracene	11.47	178	99452	2.757	ng	97
75) Fluoranthene	12.62	202	685301	18.579	ng	100
78) Pyrene	12.84	202	601893	18.636	ng	97
81) Benzo(a)anthracene	14.03	228	352553	14.038	ng	99
83) Chrysene	14.06	228	331747	13.159	ng	96
86) Indeno(1,2,3-cd)pyrene	16.97	276	184418	8.610	ng	93
88) Benzo(b)fluoranthene	15.08	252	433246m	14.589	ng	
89) Benzo(k)fluoranthene	15.10	252	142023m	5.364	ng	
90) Benzo(a)pyrene	15.44	252	294016	11.519	ng	98
91) Dibenzo(a,h)anthracene	16.99	278	51831	2.313	ng	97
92) Benzo(a,h,i)perylene	17.42	276	161988	7.248	ng	98

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

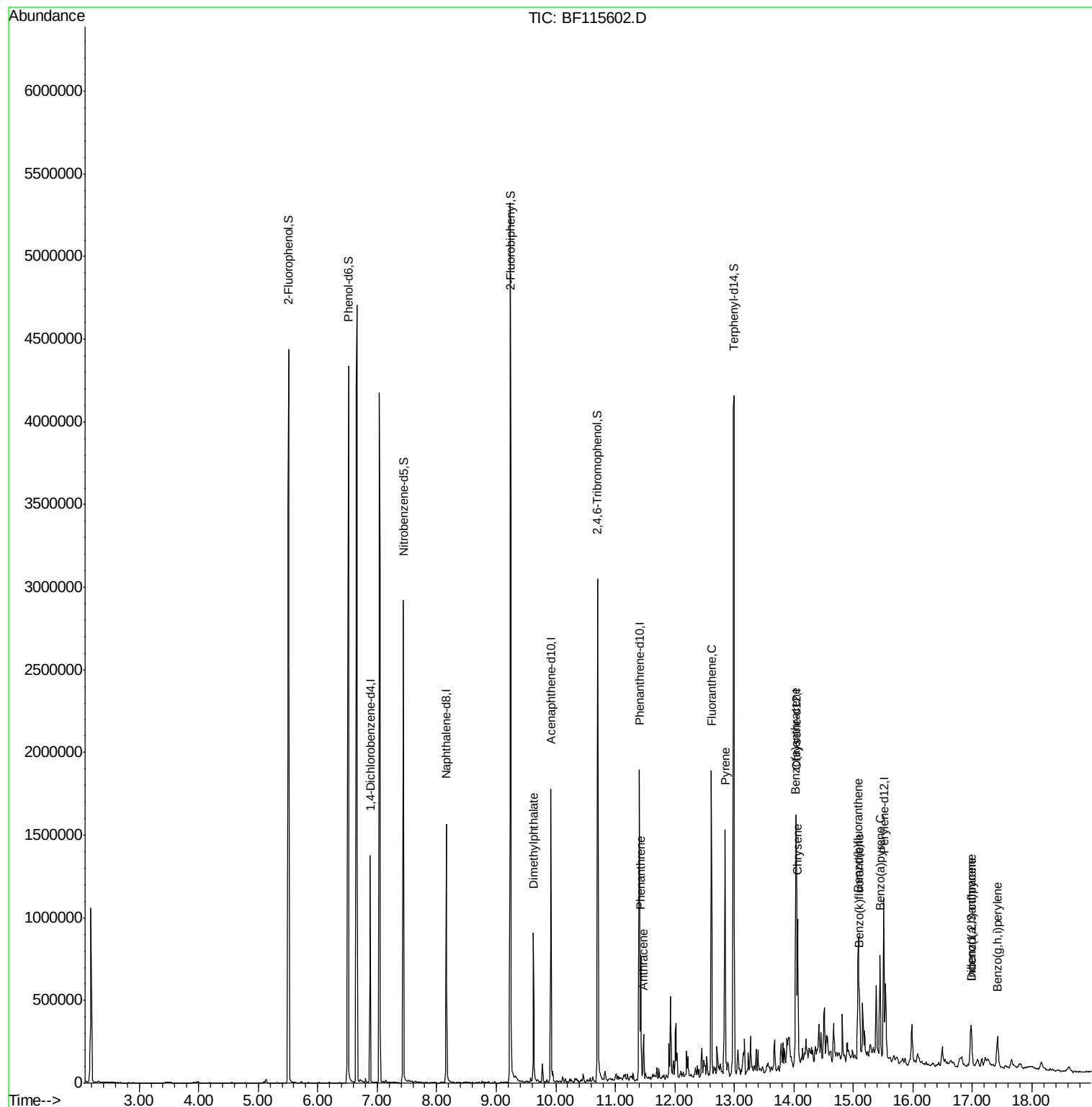
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071619\
Data File : BF115602.D
Acq On : 16 Jul 2019 17:30
Operator : HP/JU
Sample : K3830-07
Misc :
ALS Vial : 8 Sample Multiplier: 1

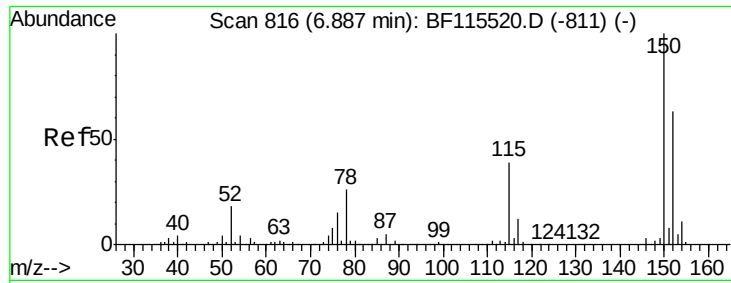
Instrument :
BNA_F
ClientSampleId :
RBR-200027

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Quant Time: Jul 17 04:58:34 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF071219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

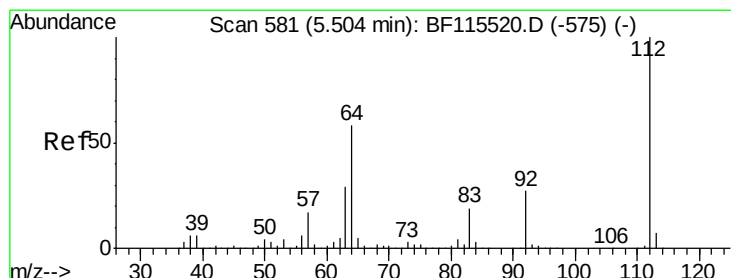
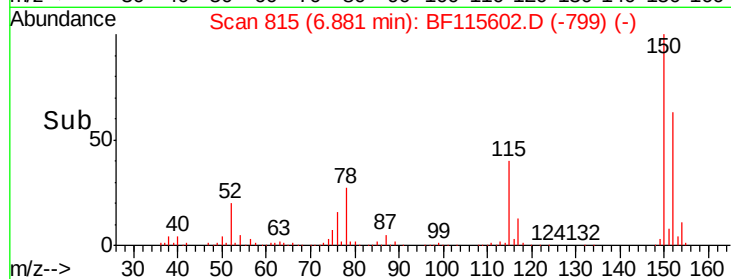
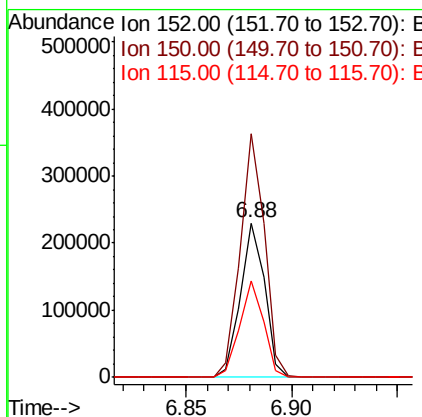
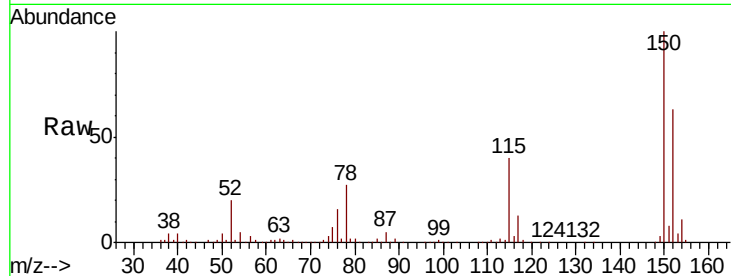
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.88 min Scan# 815
Delta R.T. -0.01 min
Lab File: BF115602.D
Acq: 16 Jul 2019 17:30

Instrument :
BNA_F
ClientSampleId :
RBR-200027

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.6	129.7	194.5
115	62.4	48.2	72.4

Manual Integrations
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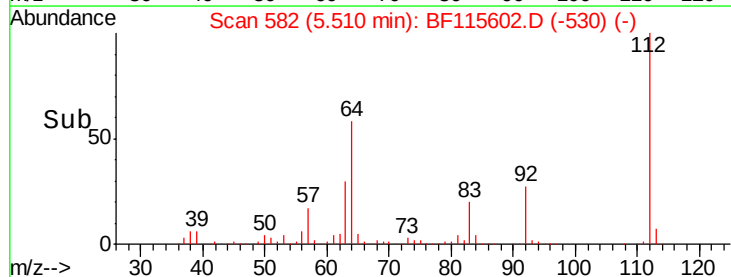
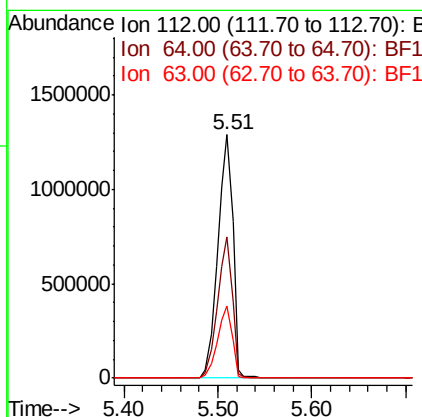
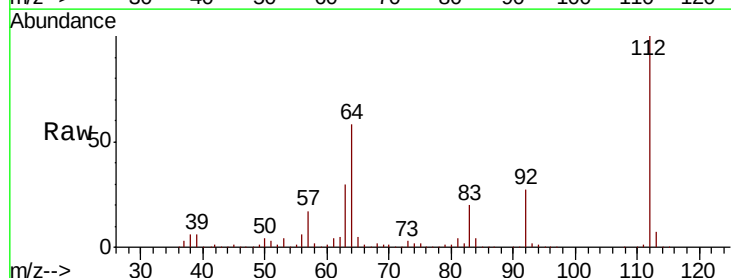
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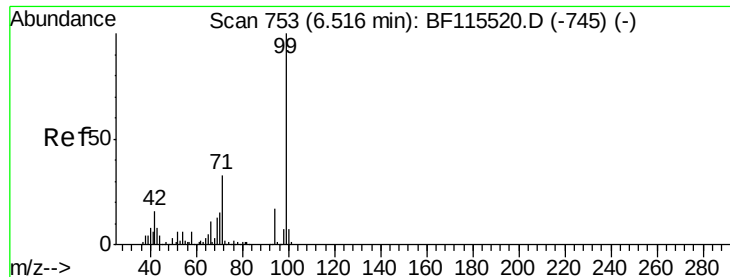


#5

2-Fluorophenol
Concen: 129.539 ng
RT: 5.51 min Scan# 582
Delta R.T. 0.01 min
Lab File: BF115602.D
Acq: 16 Jul 2019 17:30

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.0	46.8	70.2
63	29.9	24.1	36.1





#7

Phenol-d6

Concen: 131.694 ng

RT: 6.52 min Scan# 753

Delta R.T. 0.00 min

Lab File: BF115602.D

Acq: 16 Jul 2019 17:30

Instrument :

BNA_F

ClientSampleId :

RBR-200027

Tot Ion: 99 Resp: 1865200

Ion Ratio Lower Upper

99 100

42 16.3 13.6 20.4

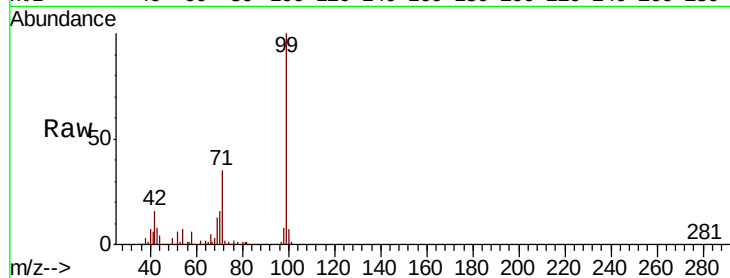
71 35.0 28.5 42.7

Manual Integrations

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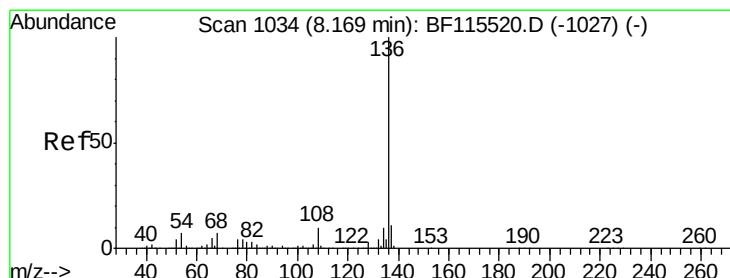
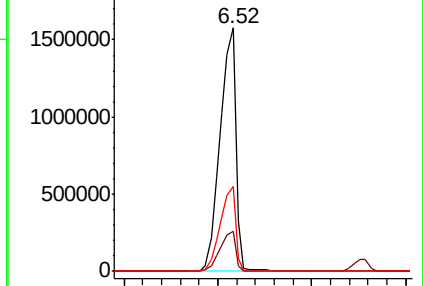
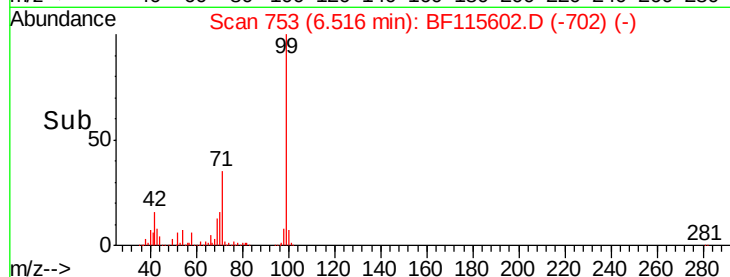
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Abundance Ion 99.00 (98.70 to 99.70): BF1

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: 8.16 min Scan# 1033

Delta R.T. -0.01 min

Lab File: BF115602.D

Acq: 16 Jul 2019 17:30

Tgt Ion: 136 Resp: 737855

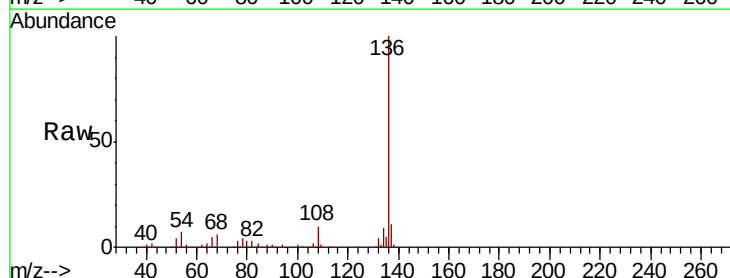
Ion Ratio Lower Upper

136 100

137 10.9 9.0 13.4

54 6.7 5.6 8.4

68 6.1 5.0 7.6

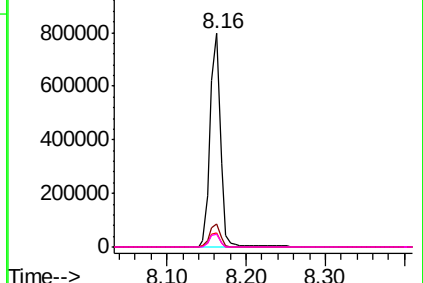
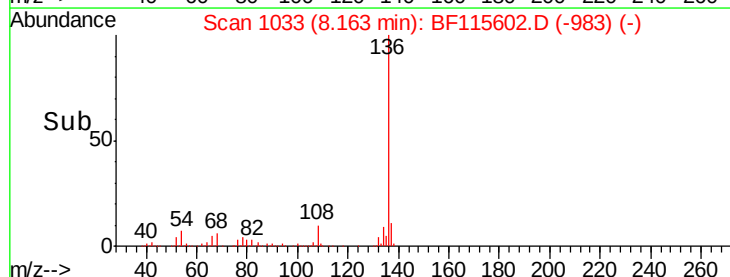


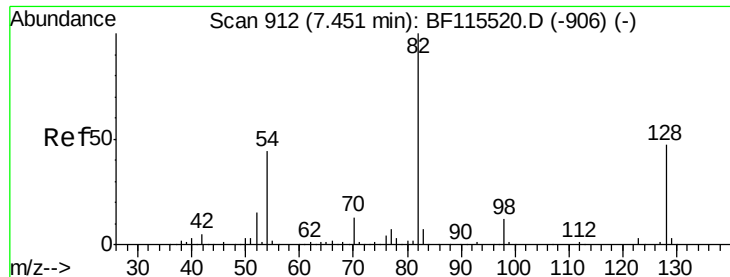
Abundance Ion 136.00 (135.70 to 136.70): E

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





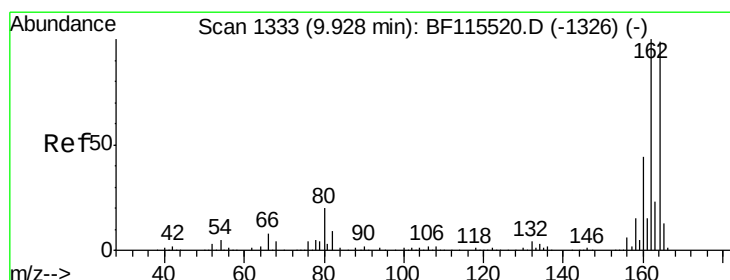
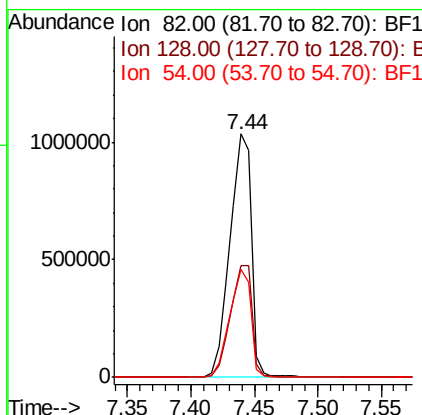
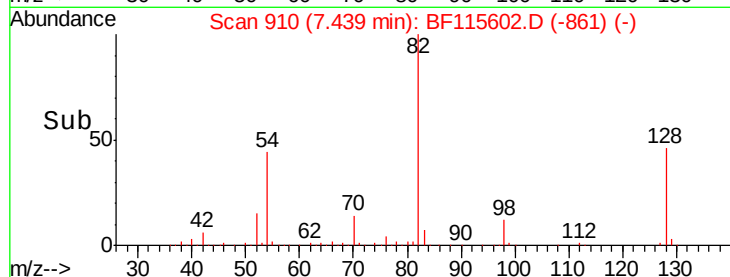
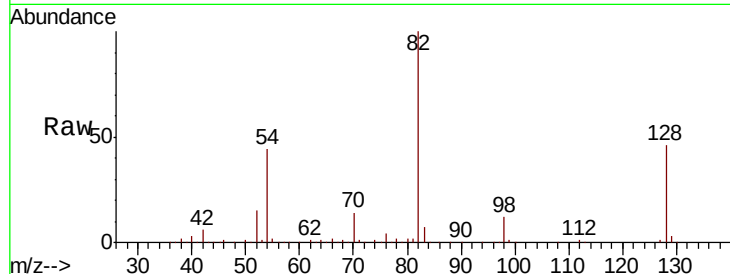
#23
Nitrobenzene-d5
Concen: 94.948 ng
RT: 7.44 min Scan# 910
Delta R.T. -0.01 min
Lab File: BF115602.D
Acq: 16 Jul 2019 17:30

Instrument :
BNA_F
ClientSampled :
RBR-200027

Tot Ion	82	Resp	1204851
Ion Ratio	100	Lower	Upper
82	100		
128	46.1	38.6	57.8
54	44.2	35.6	53.4

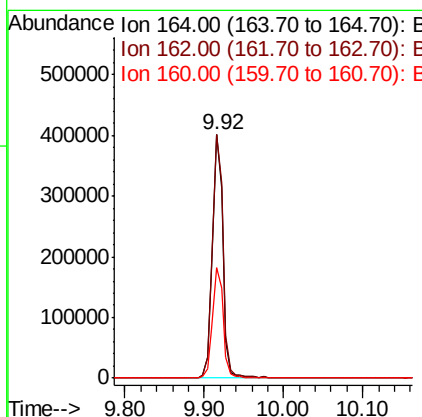
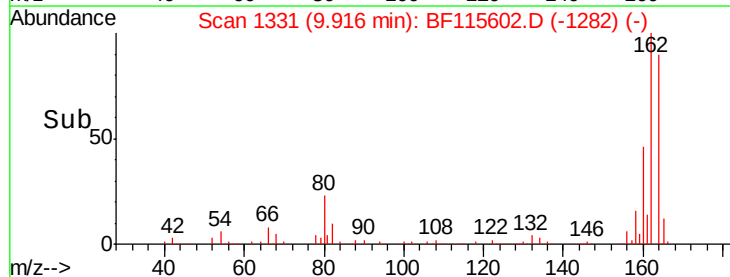
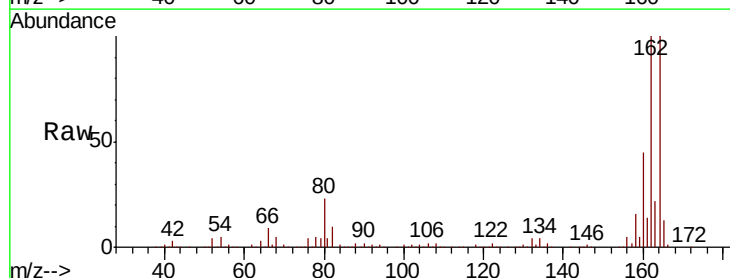
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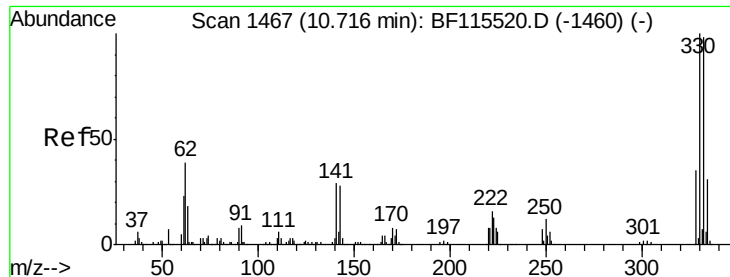
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.92 min Scan# 1331
Delta R.T. -0.01 min
Lab File: BF115602.D
Acq: 16 Jul 2019 17:30

Tgt Ion	164	Resp	367110
Ion Ratio	100	Lower	Upper
164	100		
162	99.8	82.9	124.3
160	45.1	36.8	55.2





#42

2,4,6-Tribromophenol

Concen: 106.955 ng

RT: 10.71 min Scan# 1466

Delta R.T. -0.01 min

Lab File: BF115602.D

Acq: 16 Jul 2019 17:30

Instrument :

BNA_F

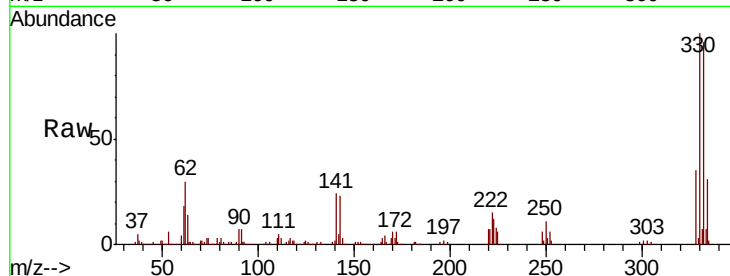
ClientSampleId :

RBR-200027

Tot Ion:	330	Resp:	458308
Ion Ratio	Lower	Upper	
330	100		
332	96.0	77.4	116.2
141	30.7	22.4	33.6

Manual Integrations
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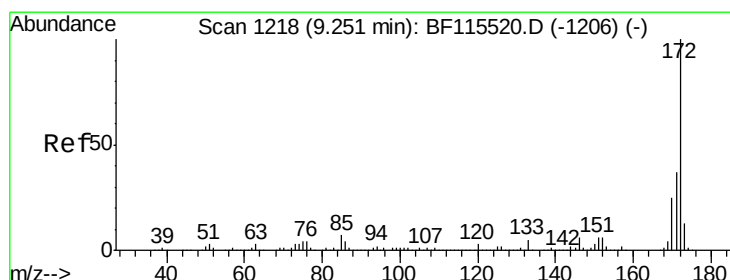
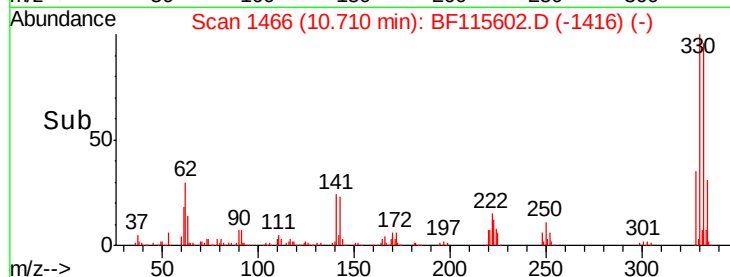
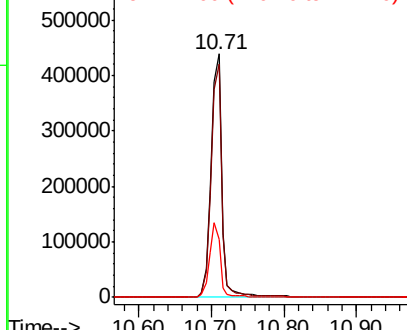


Abundance

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: 90.639 ng

RT: 9.24 min Scan# 1216

Delta R.T. -0.01 min

Lab File: BF115602.D

Acq: 16 Jul 2019 17:30

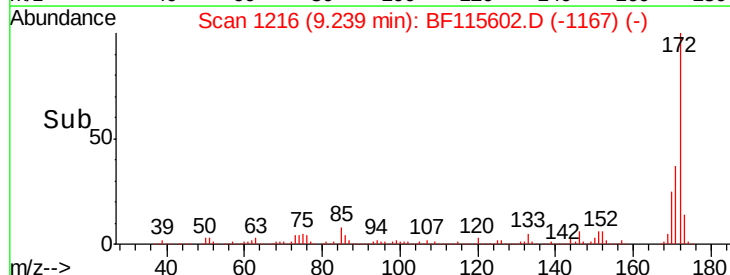
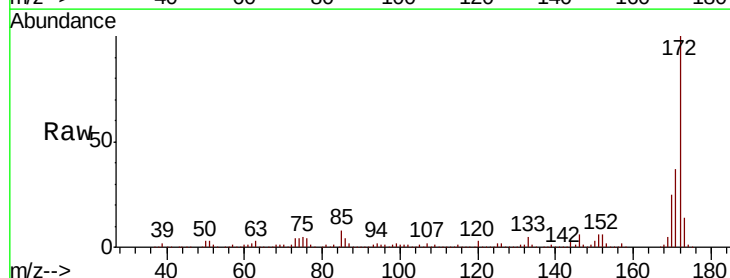
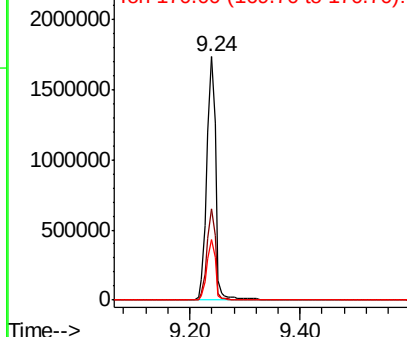
Tgt Ion:	172	Resp:	1901091
Ion Ratio	Lower	Upper	
172	100		
171	37.4	30.6	46.0
170	25.0	20.5	30.7

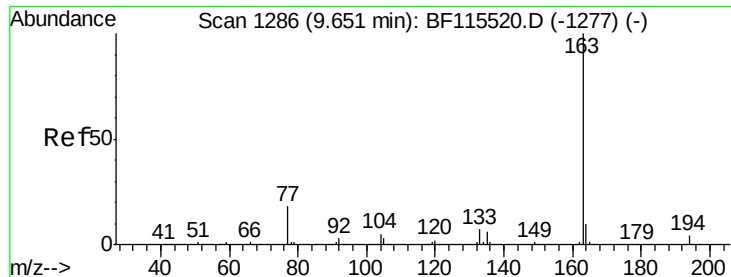
Abundance

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





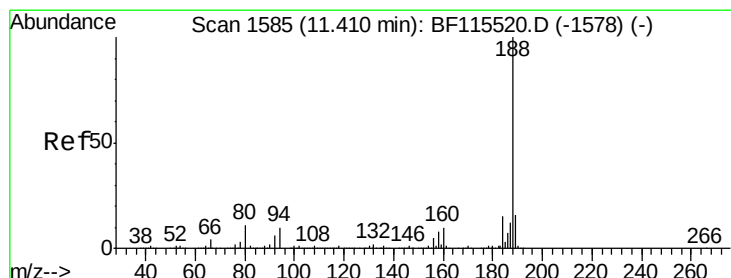
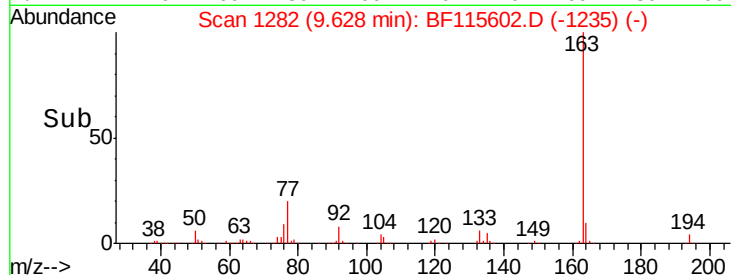
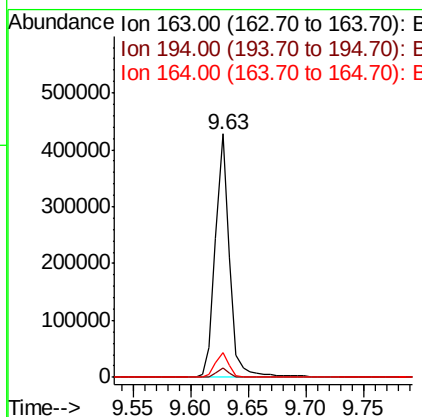
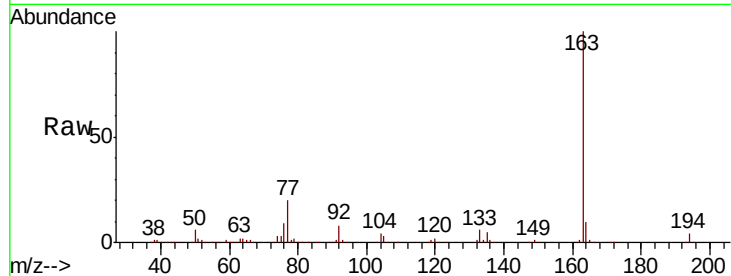
#50
Dimethylphthalate
Concen: 13.350 ng
RT: 9.63 min Scan# 1282
Delta R.T. -0.02 min
Lab File: BF115602.D
Acq: 16 Jul 2019 17:30

Instrument :
BNA_F
ClientSampleId :
RBR-200027

Tot Ion	Ratio	Resp	Lower	Upper
163	100	368741		
194	3.8		3.3	4.9
164	10.3		8.7	13.1

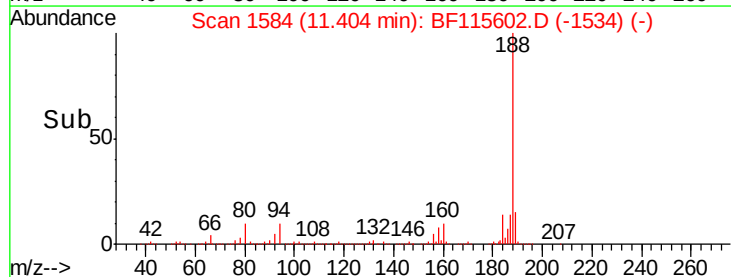
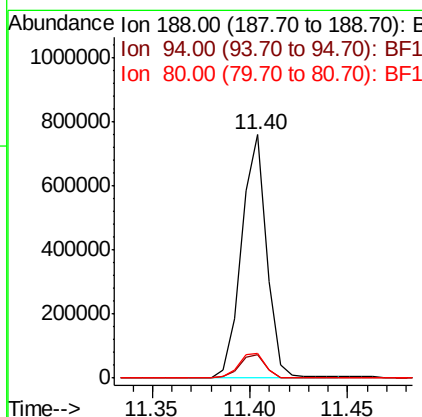
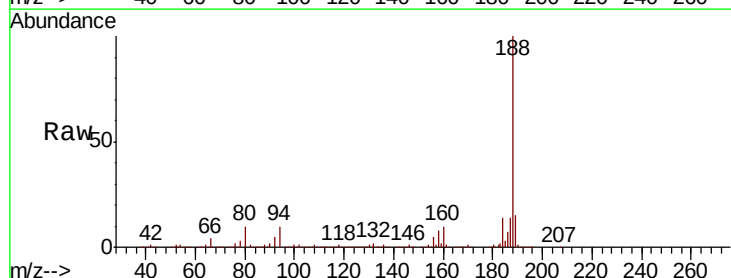
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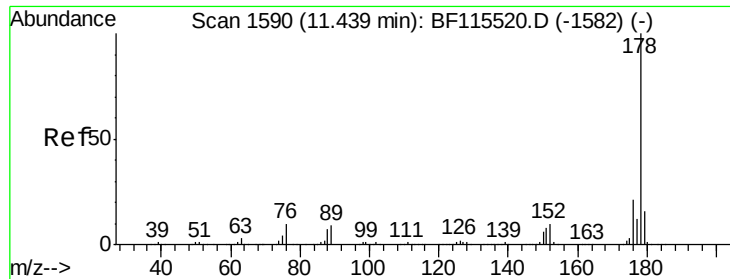
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#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.40 min Scan# 1584
Delta R.T. -0.01 min
Lab File: BF115602.D
Acq: 16 Jul 2019 17:30

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	680976		
94	9.6		7.8	11.6
80	10.3		8.6	13.0





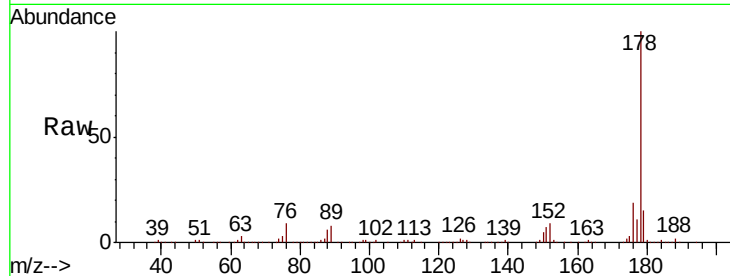
#71
Phenanthrene
Concen: 8.324 ng
RT: 11.43 min Scan# 1588
Delta R.T. -0.01 min
Lab File: BF115602.D
Acq: 16 Jul 2019 17:30

Instrument :
BNA_F
ClientSampleId :
RBR-200027

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.3	17.2	25.8
179	15.0	13.5	20.3

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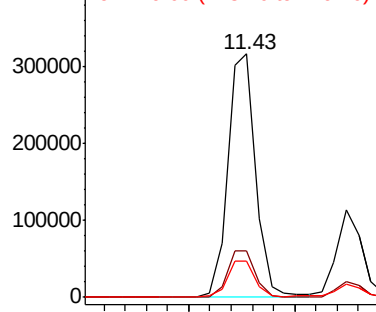


Abundance

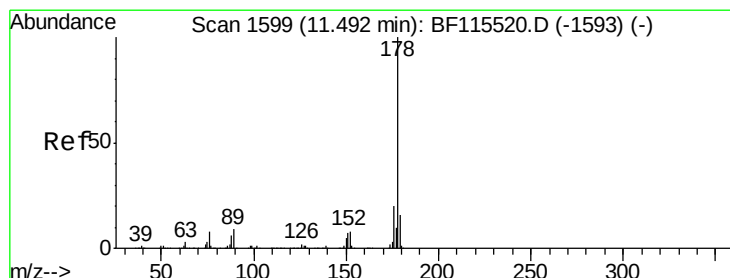
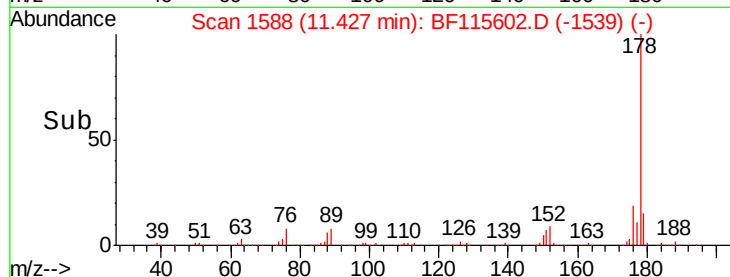
Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time-->



#72
Anthracene
Concen: 2.757 ng
RT: 11.47 min Scan# 1596
Delta R.T. -0.02 min
Lab File: BF115602.D
Acq: 16 Jul 2019 17:30

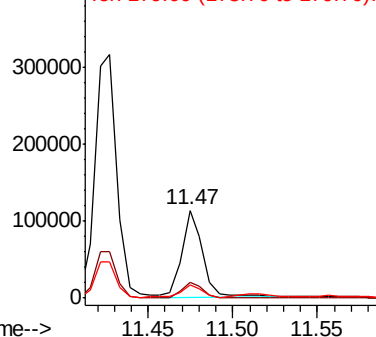
Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.0	15.9	23.9
179	15.1	12.7	19.1

Abundance

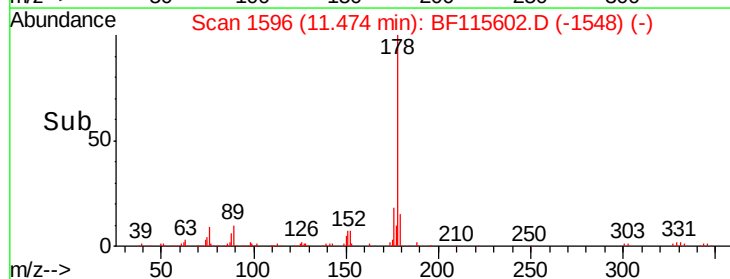
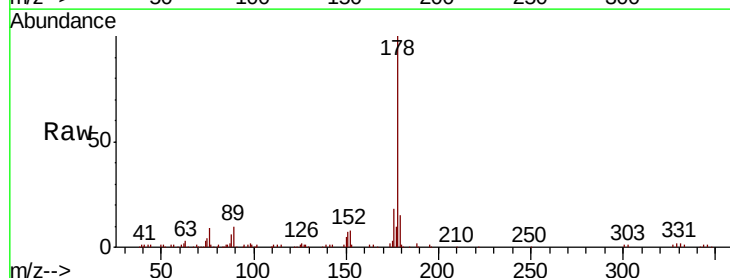
Ion 178.00 (177.70 to 178.70): E

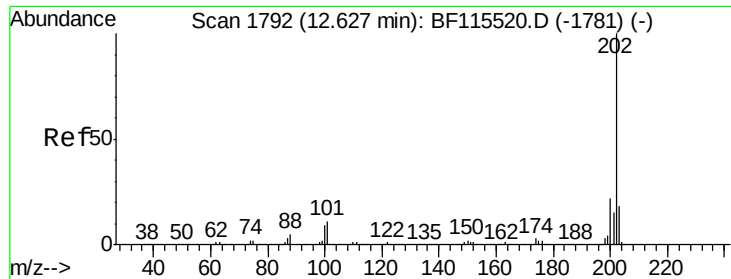
Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time-->





#75

Fluoranthene

Concen: 18.579 ng

RT: 12.62 min Scan# 1790

Delta R.T. -0.01 min

Lab File: BF115602.D

Acq: 16 Jul 2019 17:30

Instrument :

BNA_F

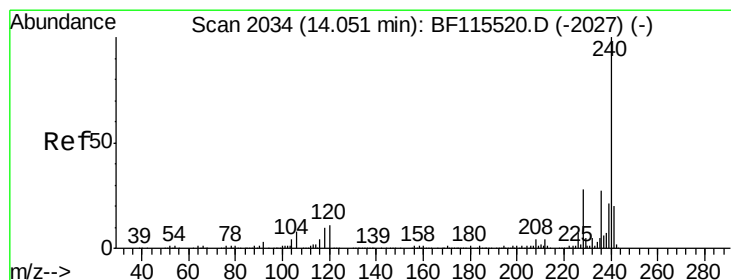
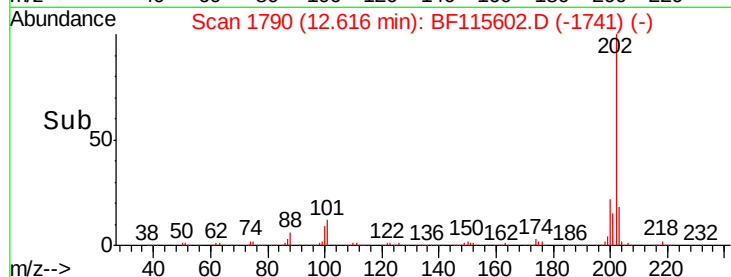
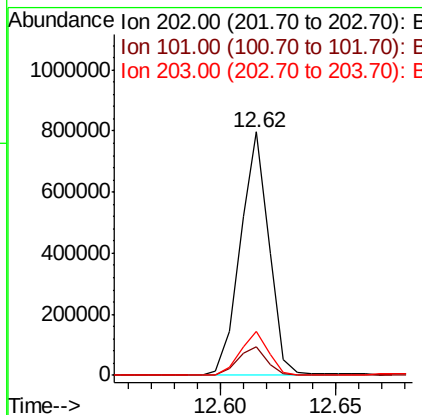
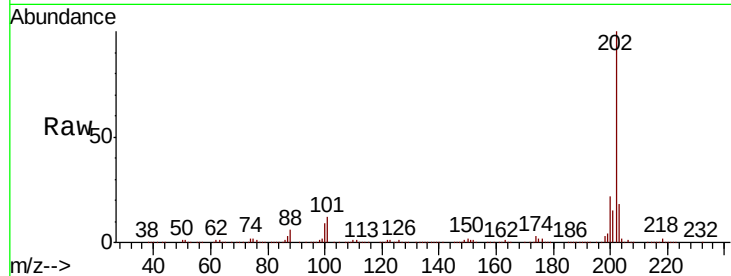
ClientSampled :

RBR-200027

Tot Ion	Ratio	Resp	Lower	Upper
202	100	685301		
101	11.7	0.0	31.4	
203	18.1	0.0	38.1	

Manual Integrations
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#76

Chrysene-d12

Concen: 20.000 ng

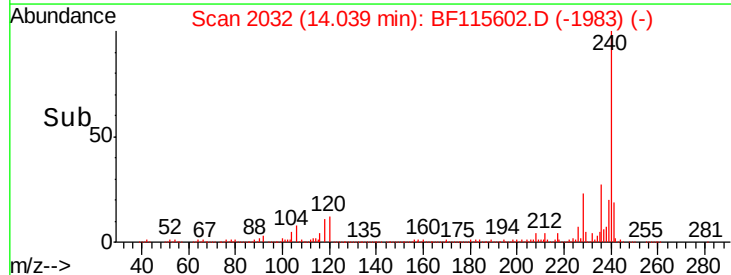
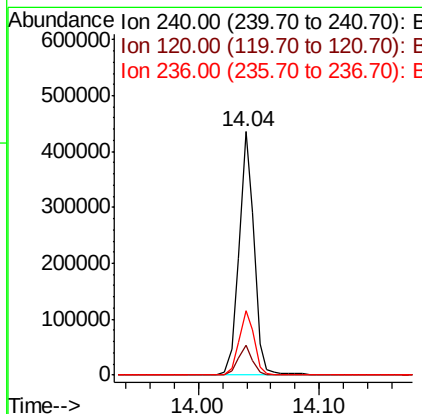
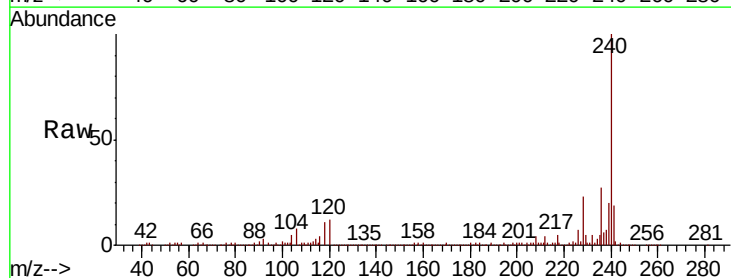
RT: 14.04 min Scan# 2032

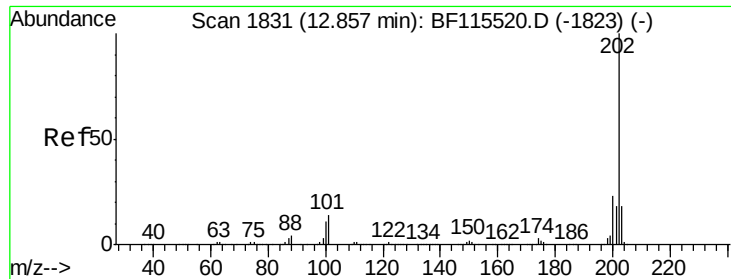
Delta R.T. -0.01 min

Lab File: BF115602.D

Acq: 16 Jul 2019 17:30

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	381199		
120	12.3	8.6	13.0	
236	26.6	21.3	31.9	





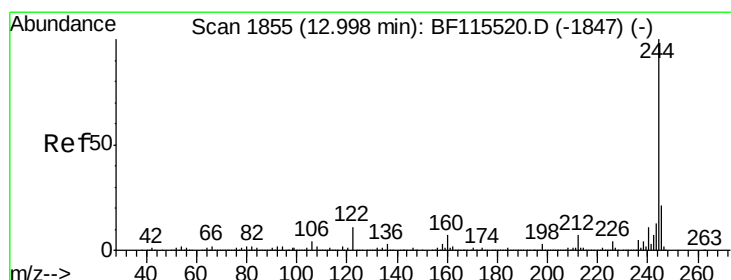
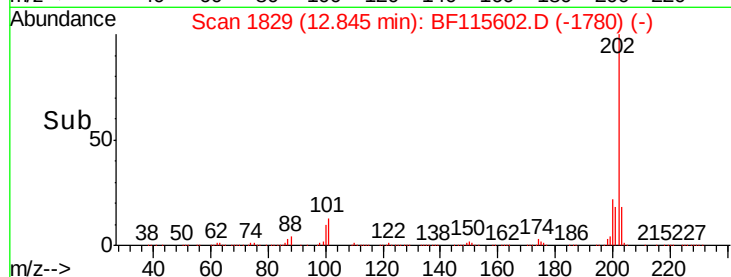
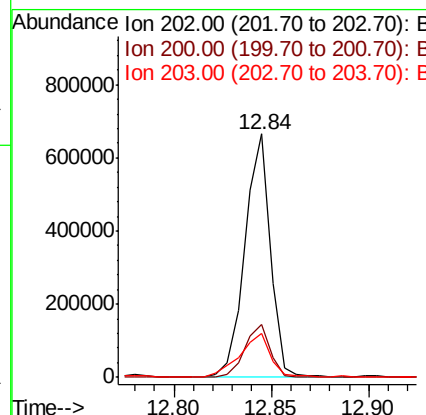
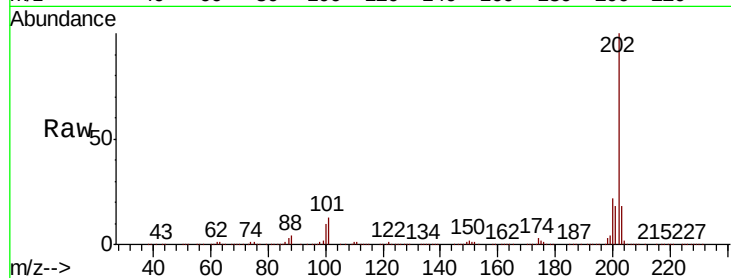
#78
Pvrene
Concen: 18.636 ng
RT: 12.84 min Scan# 1829
Delta R.T. -0.01 min
Lab File: BF115602.D
Acq: 16 Jul 2019 17:30

Instrument :
BNA_F
ClientSampleId :
RBR-200027

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.8	18.7	28.1
203	17.9	15.2	22.8

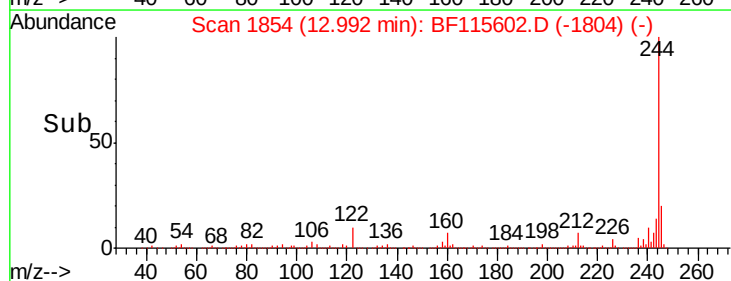
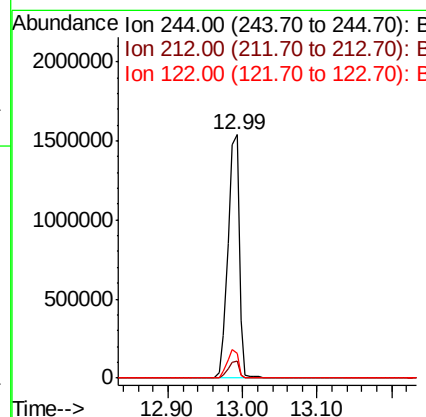
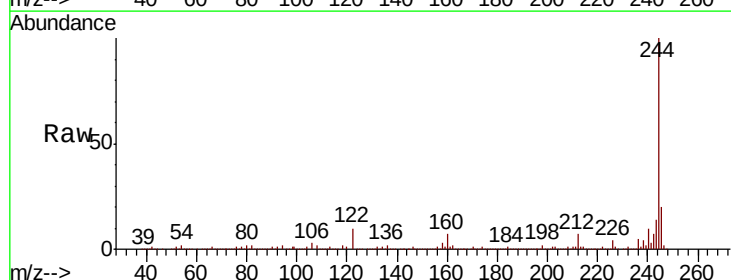
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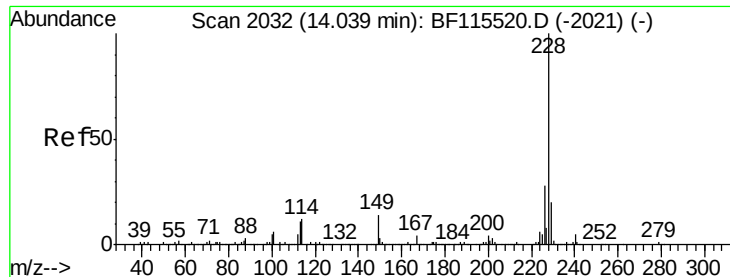
mohammad
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#79
Terphenyl-d14
Concen: 79.246 ng
RT: 12.99 min Scan# 1854
Delta R.T. -0.01 min
Lab File: BF115602.D
Acq: 16 Jul 2019 17:30

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.9	6.0	9.0
122	10.0	8.6	12.8





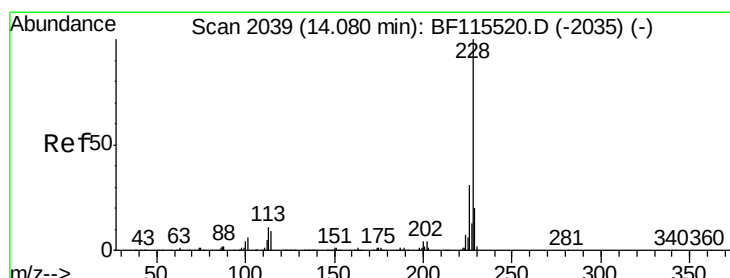
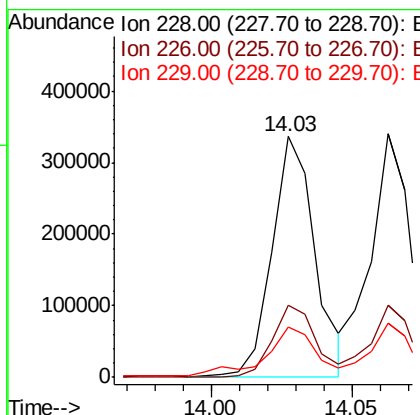
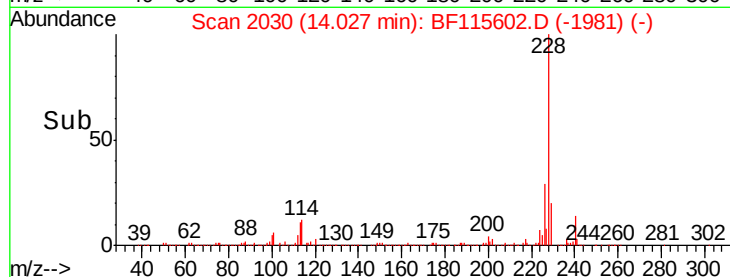
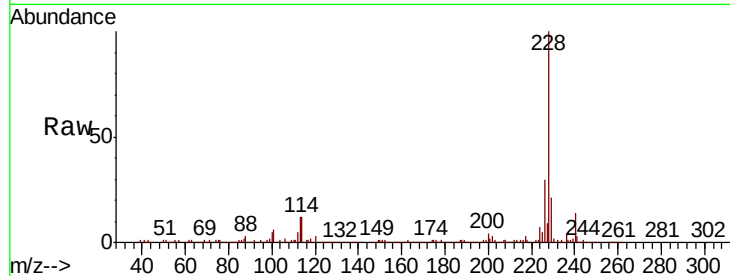
#81
Benzo(a)anthracene
Concen: 14.038 ng
RT: 14.03 min Scan# 2030
Delta R.T. -0.01 min
Lab File: BF115602.D
Acq: 16 Jul 2019 17:30

Instrument :
BNA_F
ClientSampleId :
RBR-200027

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.9	23.4	35.0
229	21.1	17.2	25.8

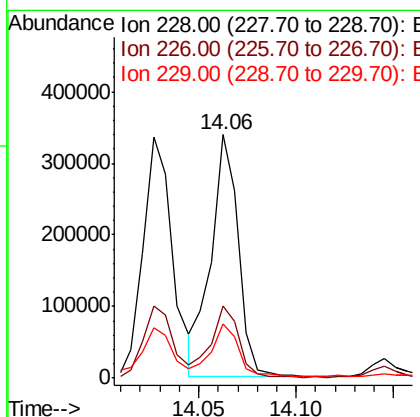
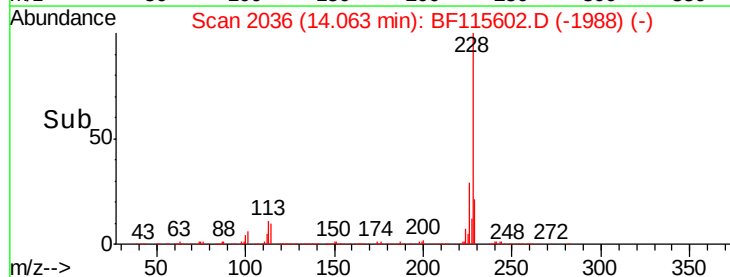
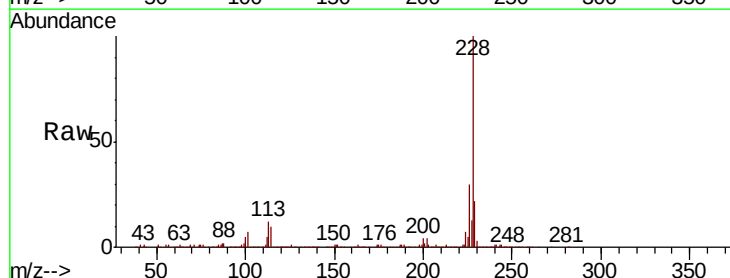
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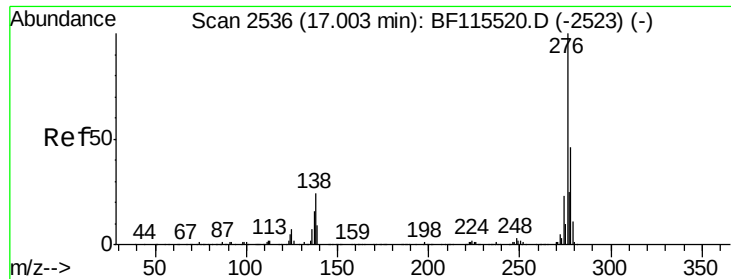
mohammad
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#83
Chrysene
Concen: 13.159 ng
RT: 14.06 min Scan# 2036
Delta R.T. -0.02 min
Lab File: BF115602.D
Acq: 16 Jul 2019 17:30

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.7	25.7	38.5
229	22.3	16.6	25.0





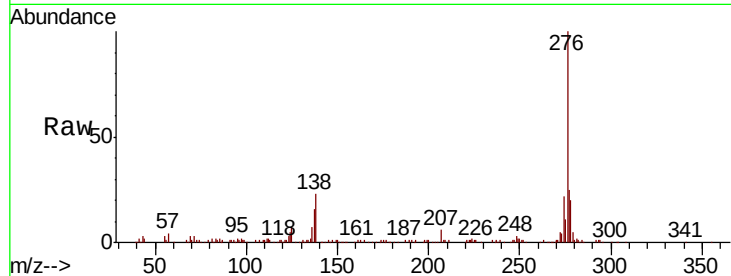
#86
 Indeno(1,2,3-cd)pyrene
 Concen: 8.610 ng
 RT: 16.97 min Scan# 2531
 Delta R.T. -0.03 min
 Lab File: BF115602.D
 Acq: 16 Jul 2019 17:30

Instrument :
 BNA_F
 ClientSampleId :
 RBR-200027

Tot Ion	Ratio	Lower	Upper
276	100		
138	20.5	20.2	30.2
277	23.0	20.4	30.6

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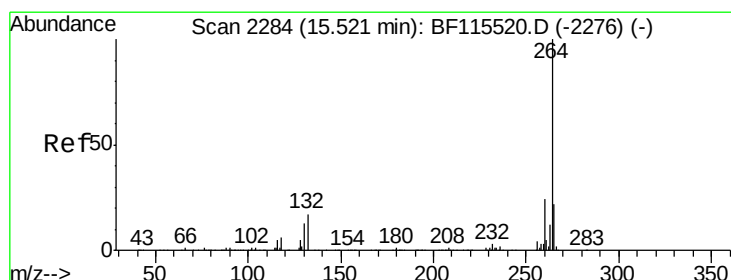
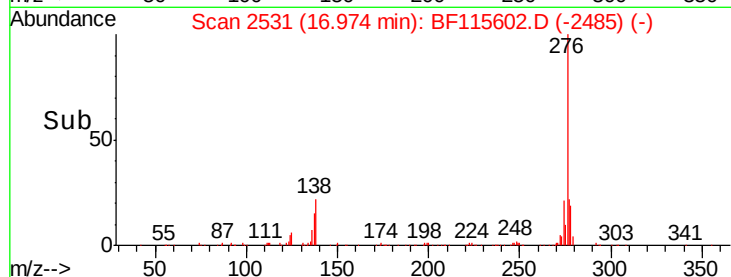
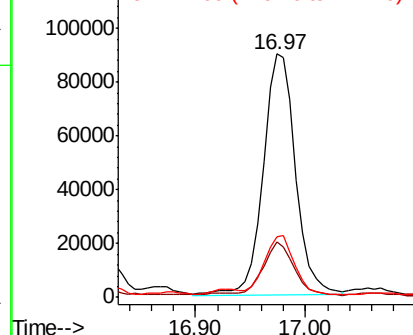


Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.51 min Scan# 2282
 Delta R.T. -0.01 min
 Lab File: BF115602.D
 Acq: 16 Jul 2019 17:30

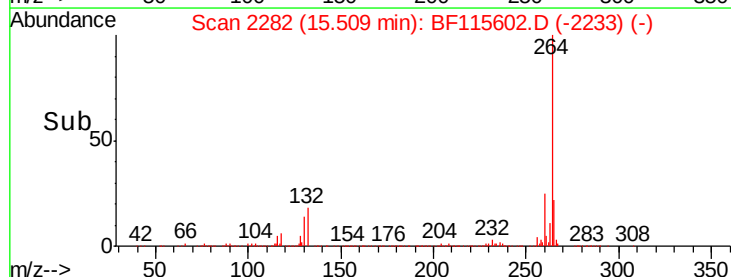
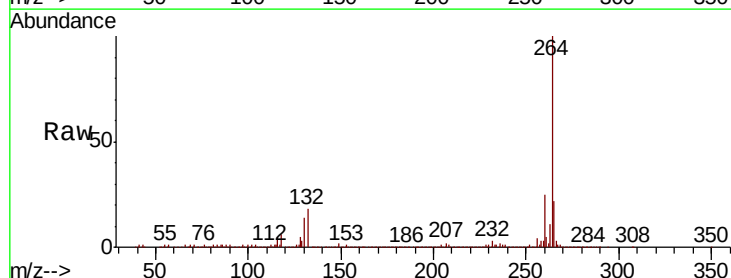
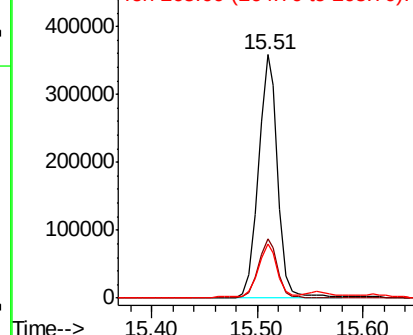
Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.5	19.8	29.8
265	22.4	17.7	26.5

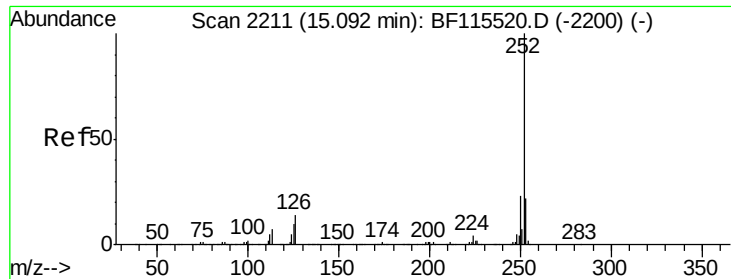
Abundance

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





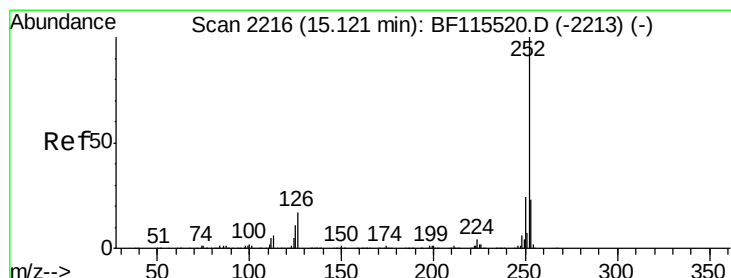
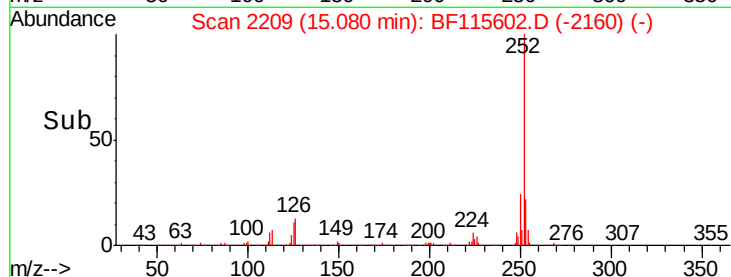
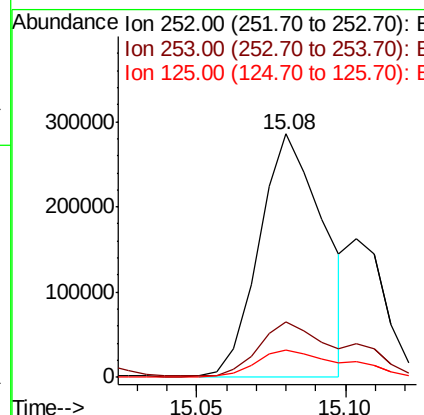
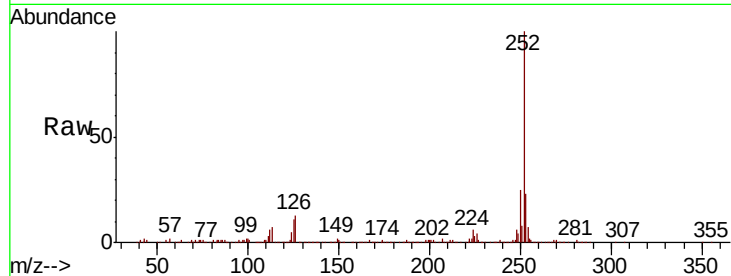
#88
Benzo(b)fluoranthene
Concen: 14.589 ng m
RT: 15.08 min Scan# 2209
Delta R.T. -0.01 min
Lab File: BF115602.D
Acq: 16 Jul 2019 17:30

Instrument :
BNA_F
ClientSampleId :
RBR-200027

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.6	18.1	27.1
125	11.0	9.0	13.4

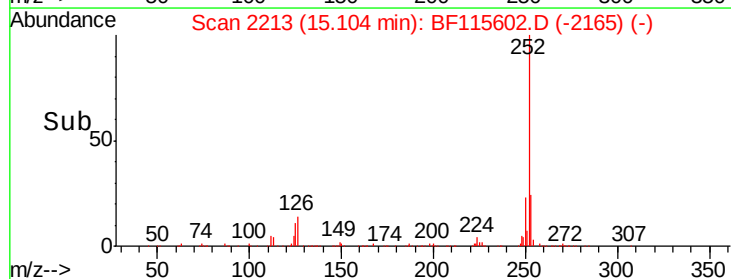
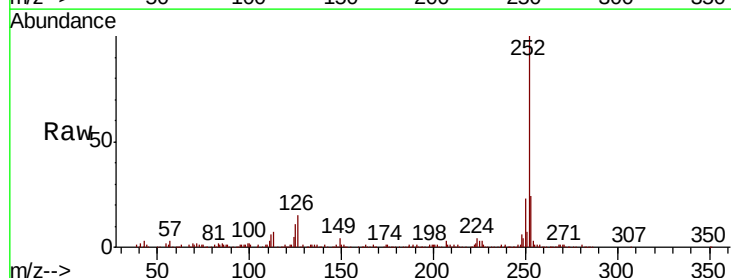
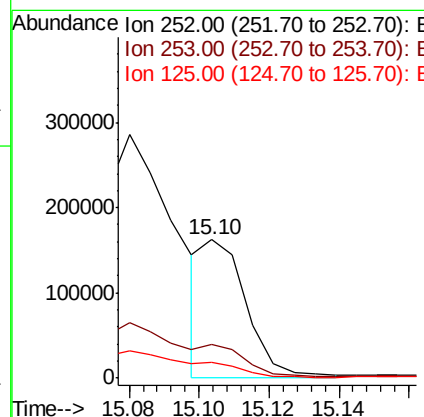
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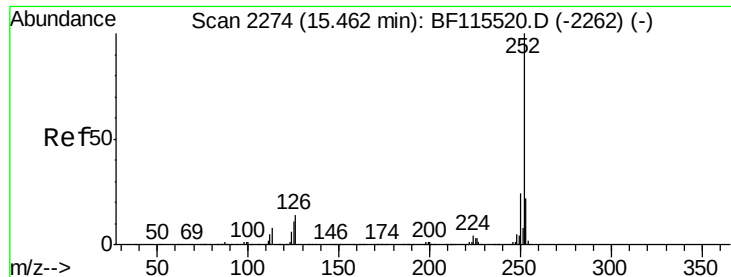
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#89
Benzo(k)fluoranthene
Concen: 5.364 ng m
RT: 15.10 min Scan# 2213
Delta R.T. -0.02 min
Lab File: BF115602.D
Acq: 16 Jul 2019 17:30

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.5	18.6	28.0
125	11.5	9.0	13.6





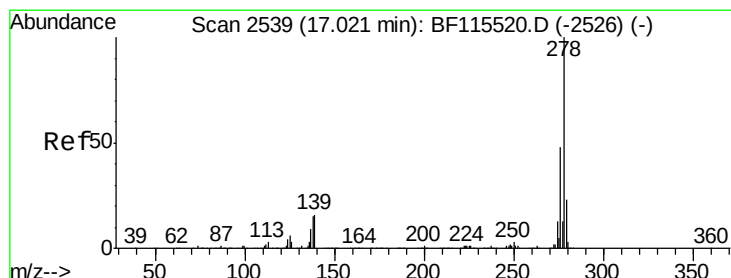
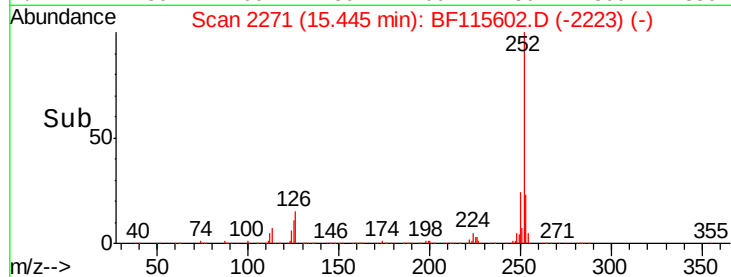
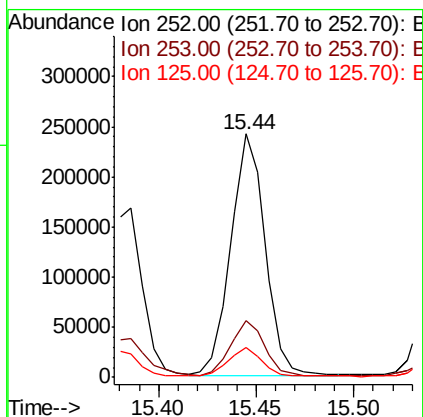
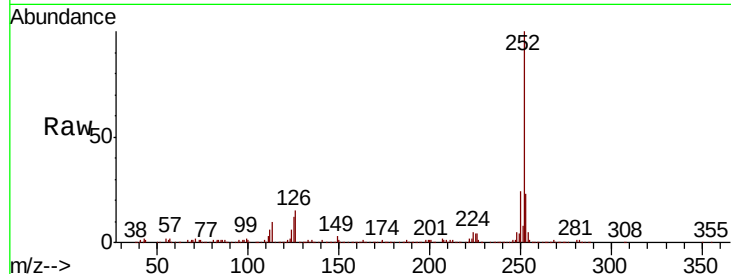
#90
Benzo(a)pyrene
Concen: 11.519 ng
RT: 15.44 min Scan# 2271
Delta R.T. -0.02 min
Lab File: BF115602.D
Acq: 16 Jul 2019 17:30

Instrument :
BNA_F
ClientSampleId :
RBR-200027

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.8	26.6
125	12.1	9.1	13.7

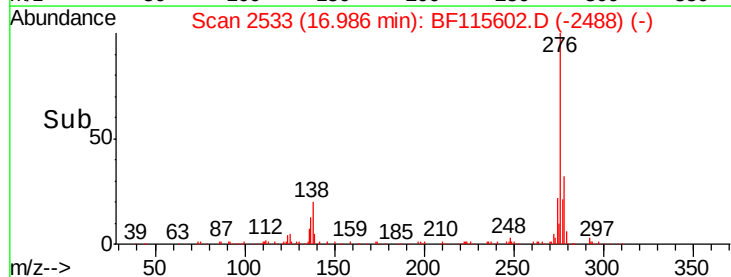
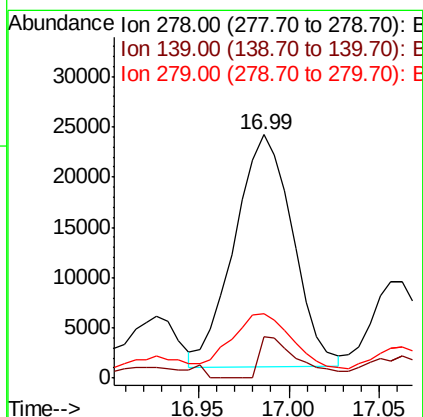
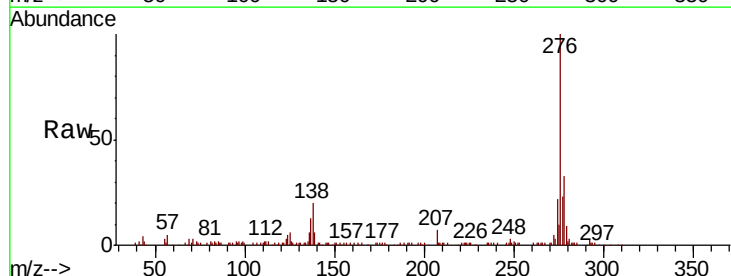
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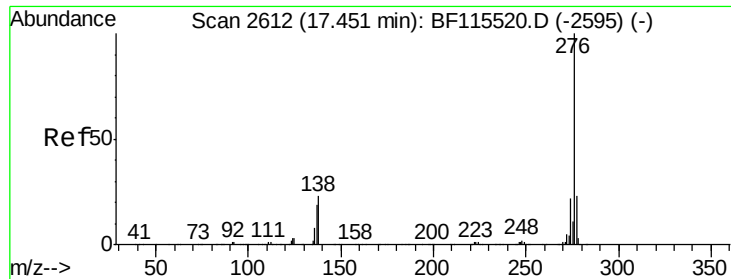
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#91
Dibenzo(a,h)anthracene
Concen: 2.313 ng
RT: 16.99 min Scan# 2533
Delta R.T. -0.04 min
Lab File: BF115602.D
Acq: 16 Jul 2019 17:30

Tgt Ion	Ratio	Lower	Upper
278	100		
139	17.2	13.1	19.7
279	26.2	19.6	29.4





#92
 Benzo(a,h,i)perylene
 Concen: 7.248 ng
 RT: 17.42 min Scan# 2607
 Delta R.T. -0.03 min
 Lab File: BF115602.D
 Acq: 16 Jul 2019 17:30

Instrument :
 BNA_F
 ClientSampleId :
 RBR-200027

Tot Ion	Ratio	Lower	Upper
276	100		
277	22.6	19.0	28.4
138	20.4	17.2	25.8

Manual Integrations
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