

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071619\
 Data File : BF115603.D
 Acq On : 16 Jul 2019 17:57
 Operator : HP/JU
 Sample : K3830-05
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RT-1873

Manual Integrations
 APPROVED

mohammad
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Quant Time: Jul 17 05:07:05 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	193728	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	666562	20.00	ng	0.00
39) Acenaphthene-d10	9.92	164	331534	20.00	ng	-0.01
64) Phenanthrene-d10	11.40	188	629724	20.00	ng	0.00
76) Chrysene-d12	14.04	240	418143	20.00	ng	-0.01
87) Perylene-d12	15.51	264	487408	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.51	112	1398546	118.08	ng	0.00
7) Phenol-d6	6.52	99	1836095	122.18	ng	0.00
23) Nitrobenzene-d5	7.44	82	1203027	104.94	ng	-0.01
42) 2,4,6-Tribromophenol	10.71	330	457354	118.19	ng	0.00
45) 2-Fluorobiphenyl	9.24	172	1638684	86.51	ng	-0.01
79) Terphenyl-d14	12.99	244	1650564	72.84	ng	0.00
Target Compounds						
50) Dimethylphthalate	9.63	163	315498	12.648	ng	99
71) Phenanthrene	11.43	178	205291	6.360	ng	96
75) Fluoranthene	12.62	202	466127	13.665	ng	99
78) Pyrene	12.84	202	434316	12.260	ng	96
81) Benzo(a)anthracene	14.03	228	217994	7.913	ng	98
83) Chrysene	14.06	228	239669	8.667	ng	96
86) Indeno(1,2,3-cd)pyrene	16.97	276	139103	5.921	ng	94
88) Benzo(b)fluoranthene	15.08	252	329316m	10.493	ng	
89) Benzo(k)fluoranthene	15.10	252	101474m	3.626	ng	
90) Benzo(a)pyrene	15.44	252	209423	7.764	ng	98
92) Benzo(g,h,i)perylene	17.42	276	125118	5.298	ng	99

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

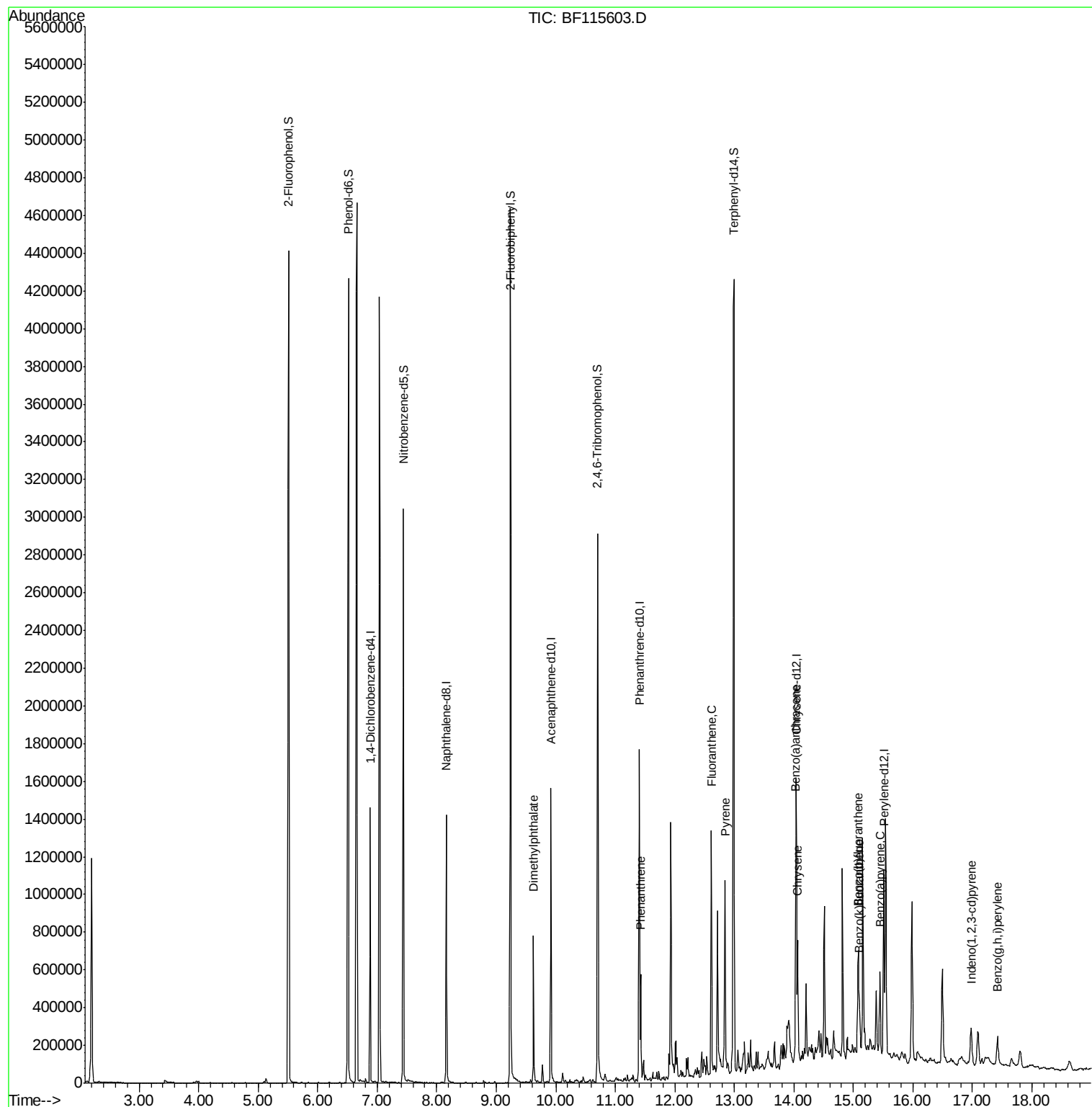
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071619\
Data File : BF115603.D
Acq On : 16 Jul 2019 17:57
Operator : HP/JU
Sample : K3830-05
Misc :
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RT-1873

Manual Integrations
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Quant Time: Jul 17 05:07:05 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





#1

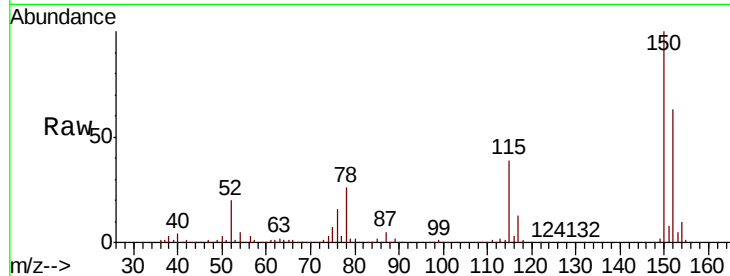
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.88 min Scan# 815
Delta R.T. -0.01 min
Lab File: BF115603.D
Acq: 16 Jul 2019 17:57

Instrument :
BNA_F
ClientSampled :
RT-1873

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.8	129.7	194.5
115	61.5	48.2	72.4

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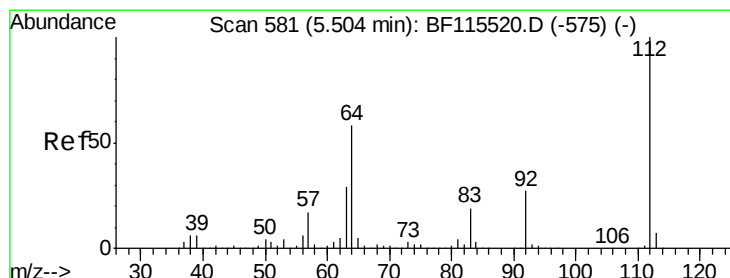
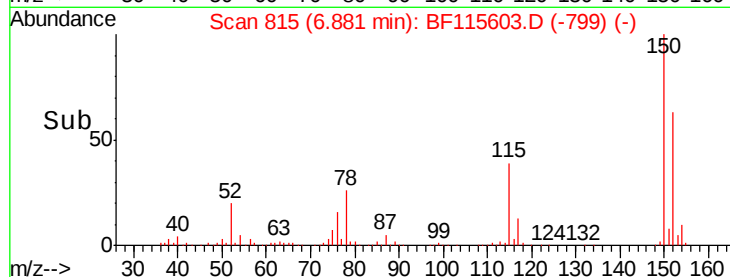
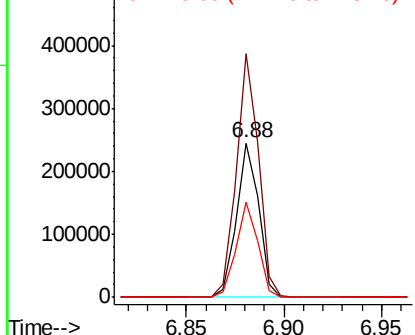


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

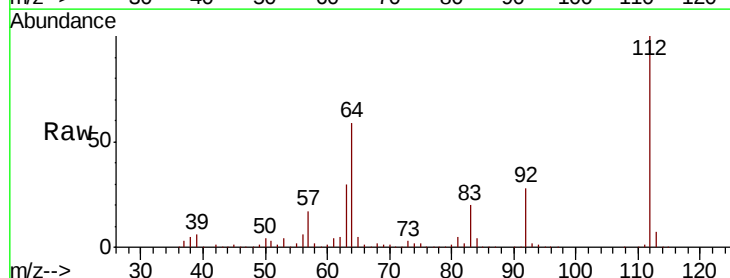
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 118.084 ng
RT: 5.51 min Scan# 582
Delta R.T. 0.01 min
Lab File: BF115603.D
Acq: 16 Jul 2019 17:57

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.9	46.8	70.2
63	30.0	24.1	36.1

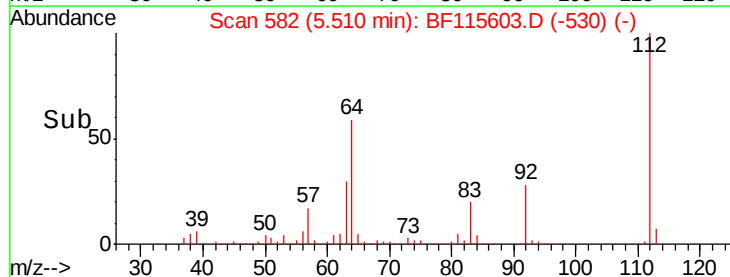
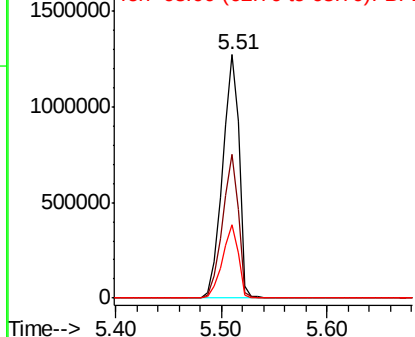


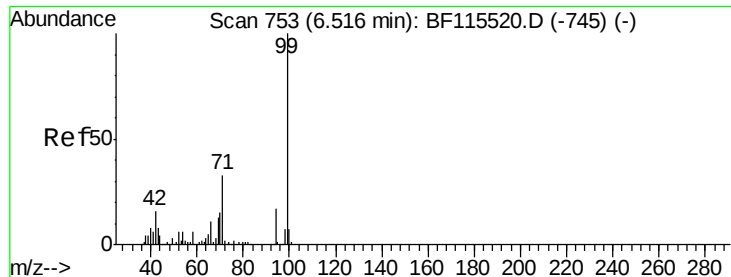
Abundance

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: 122.176 ng

RT: 6.52 min Scan# 753

Delta R.T. -0.00 min

Lab File: BF115603.D

Acq: 16 Jul 2019 17:57

Instrument :

BNA_F

ClientSampleId :

RT-1873

Tot Ion: 99 Resp: 1836095

Ion Ratio Lower Upper

99 100

42 16.1 13.6 20.4

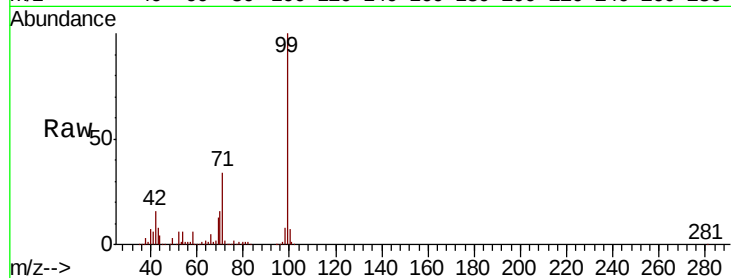
71 34.4 28.5 42.7

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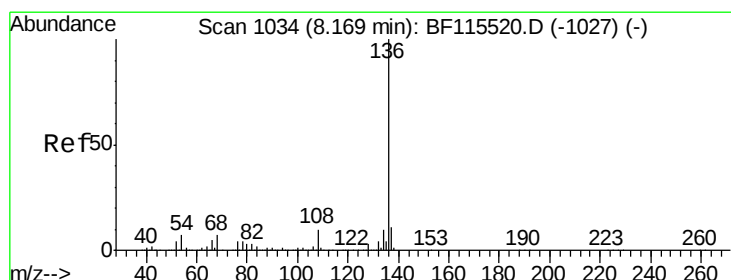
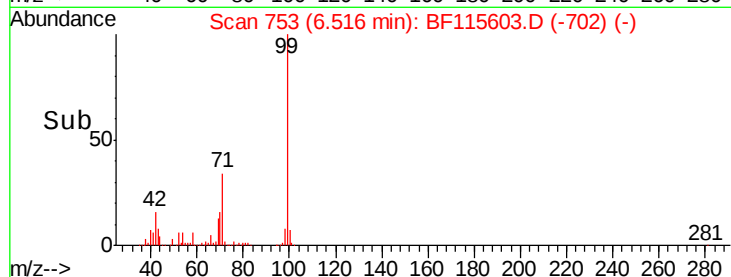
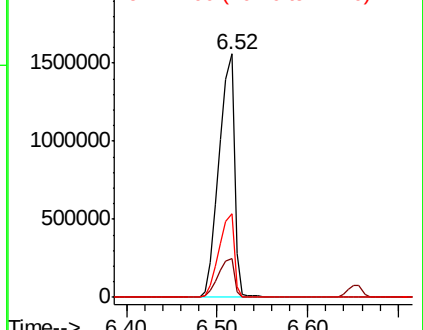


Abundance

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: BF115603.D

Acq: 16 Jul 2019 17:57

Tgt Ion: 136 Resp: 666562

Ion Ratio Lower Upper

136 100

137 11.1 9.0 13.4

54 6.5 5.6 8.4

68 6.0 5.0 7.6

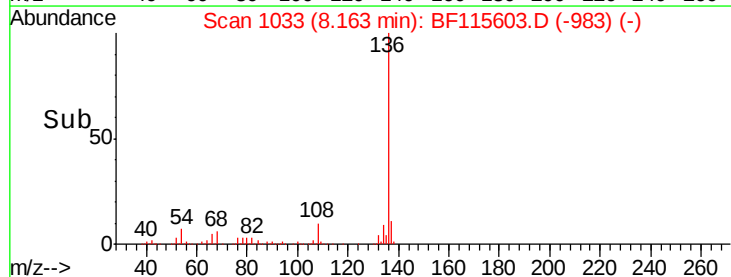
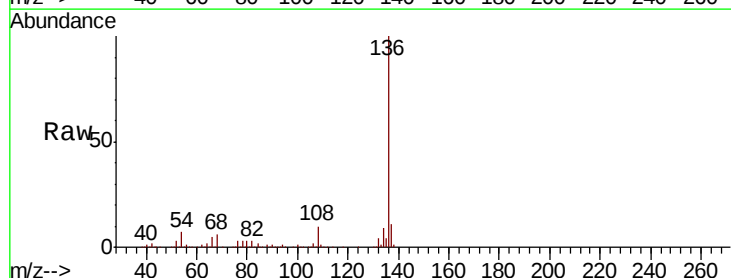
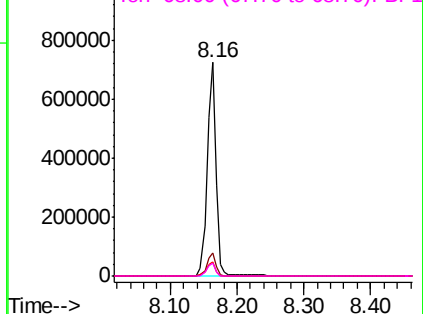
Abundance

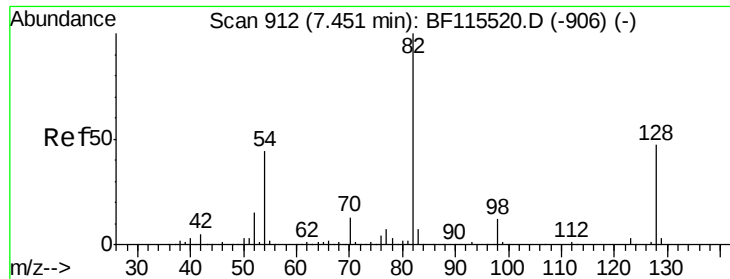
Ion 136.00 (135.70 to 136.70): E

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





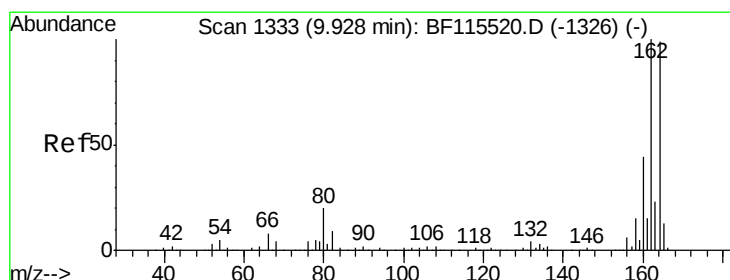
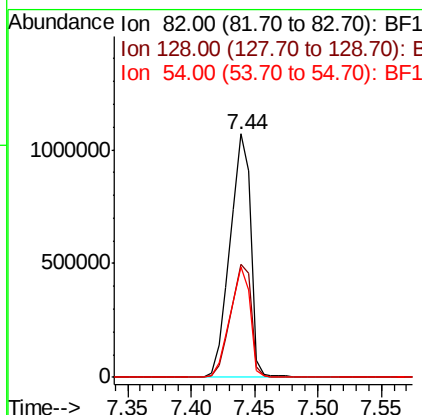
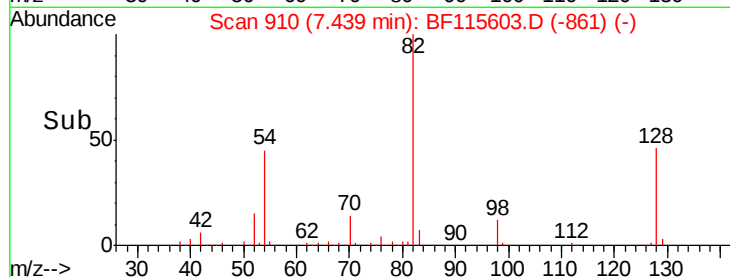
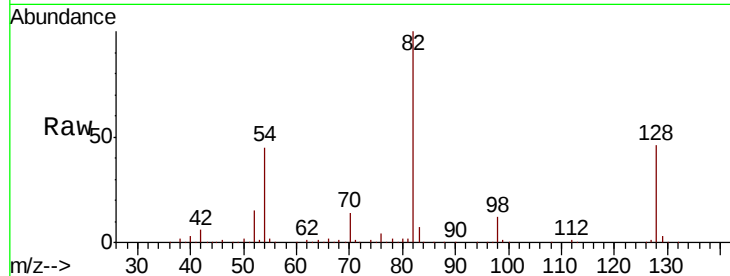
#23
Nitrobenzene-d5
Concen: 104.944 ng
RT: 7.44 min Scan# 910
Delta R.T. -0.01 min
Lab File: BF115603.D
Acq: 16 Jul 2019 17:57

Instrument :
BNA_F
ClientSampled :
RT-1873

Tot Ion: 82 Resp: 1203027
Ion Ratio Lower Upper
82 100
128 46.2 38.6 57.8
54 45.2 35.6 53.4

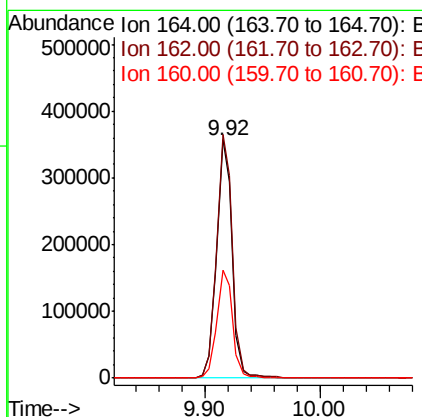
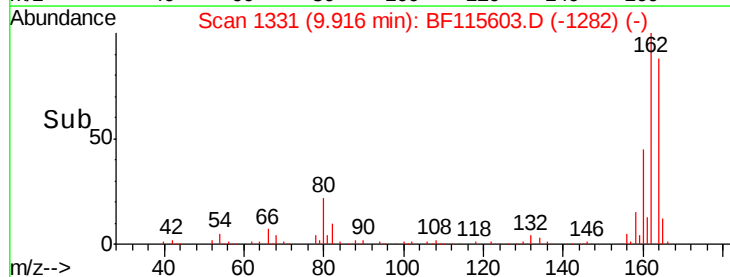
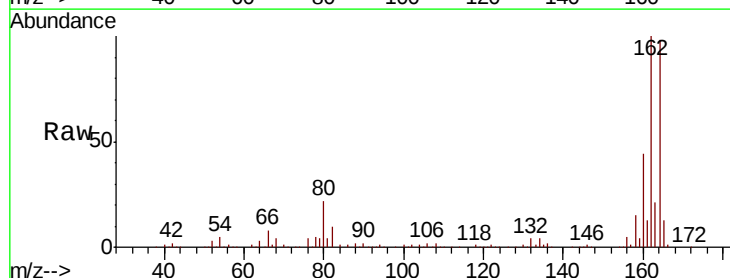
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.92 min Scan# 1331
Delta R.T. -0.01 min
Lab File: BF115603.D
Acq: 16 Jul 2019 17:57

Tgt Ion:164 Resp: 331534
Ion Ratio Lower Upper
164 100
162 102.2 82.9 124.3
160 45.2 36.8 55.2





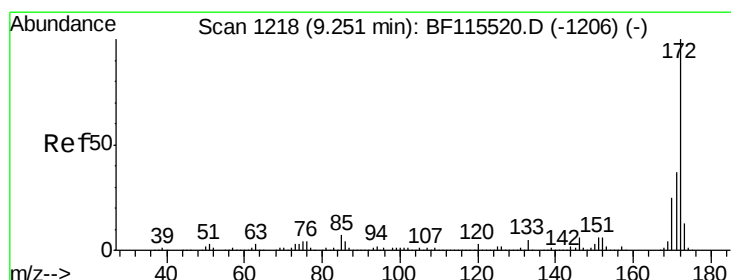
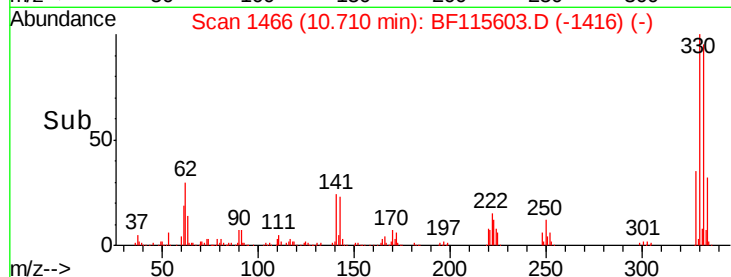
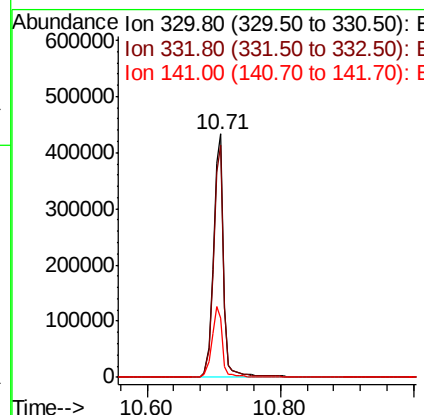
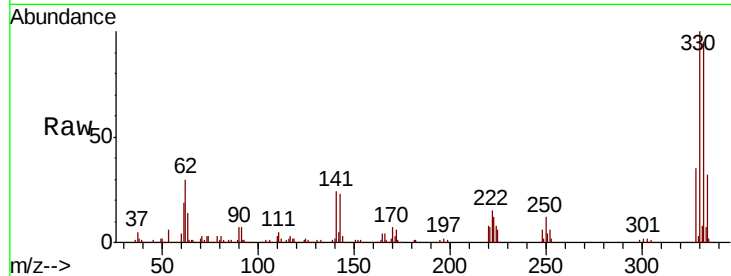
#42
 2,4,6-Tribromophenol
 Concen: 118.185 ng
 RT: 10.71 min Scan# 1466
 Delta R.T. -0.01 min
 Lab File: BF115603.D
 Acq: 16 Jul 2019 17:57

Instrument :
 BNA_F
 ClientSampled :
 RT-1873

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.8	77.4	116.2
141	30.0	22.4	33.6

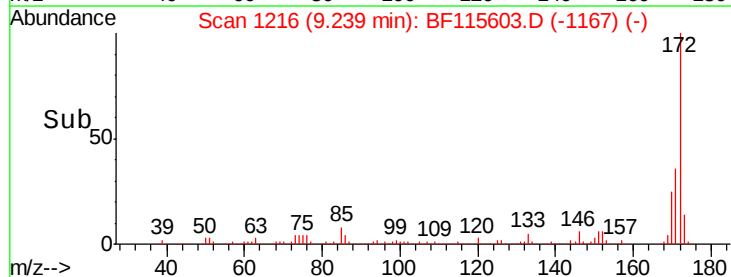
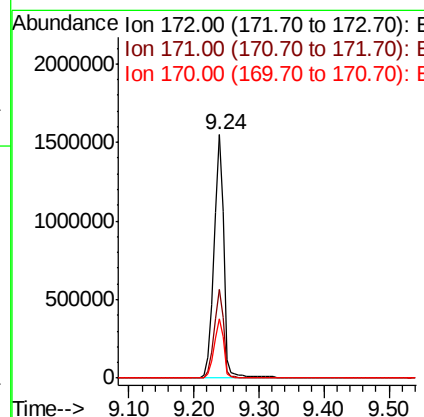
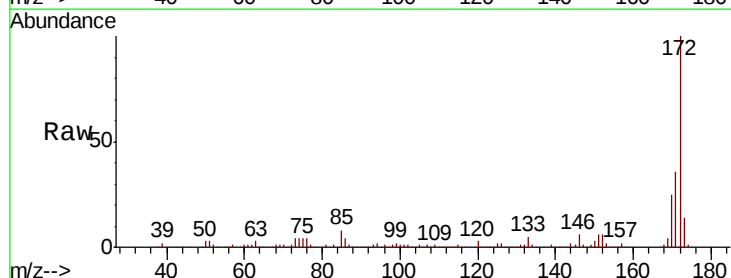
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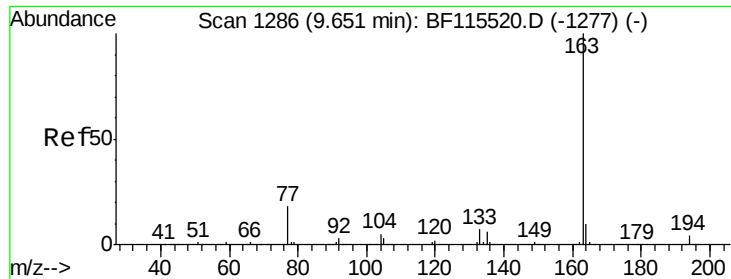
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#45
 2-Fluorobiphenyl
 Concen: 86.512 ng
 RT: 9.24 min Scan# 1216
 Delta R.T. -0.01 min
 Lab File: BF115603.D
 Acq: 16 Jul 2019 17:57

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.2	30.6	46.0
170	24.6	20.5	30.7





#50

Dimethylphthalate

Concen: 12.648 ng

RT: 9.63 min Scan# 1282

Delta R.T. -0.02 min

Lab File: BF115603.D

Acq: 16 Jul 2019 17:57

Instrument :

BNA_F

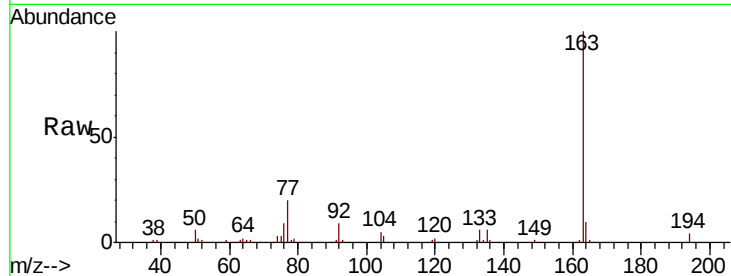
ClientSampleId :

RT-1873

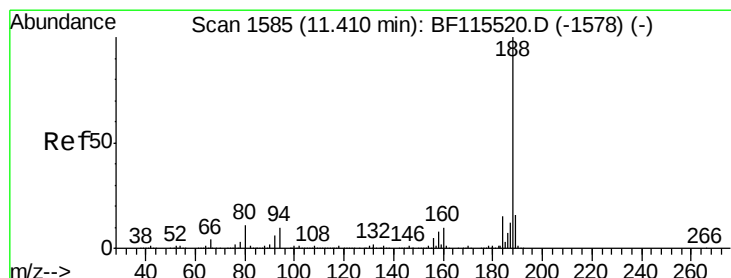
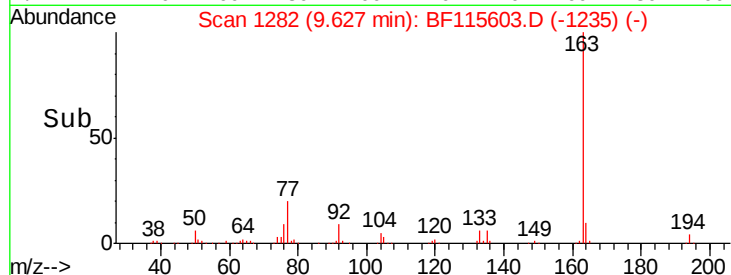
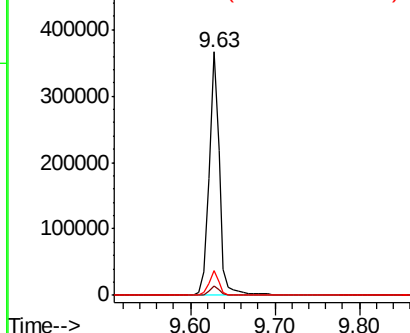
Tot Ion:	163	Resp:	315498
Ion Ratio	Lower	Upper	
163	100		
194	4.0	3.3	4.9
164	10.2	8.7	13.1

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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

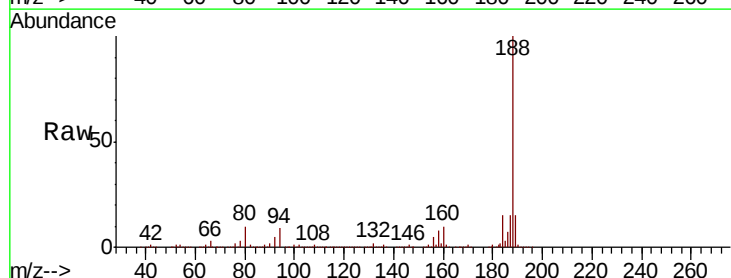
RT: 11.40 min Scan# 1584

Delta R.T. -0.01 min

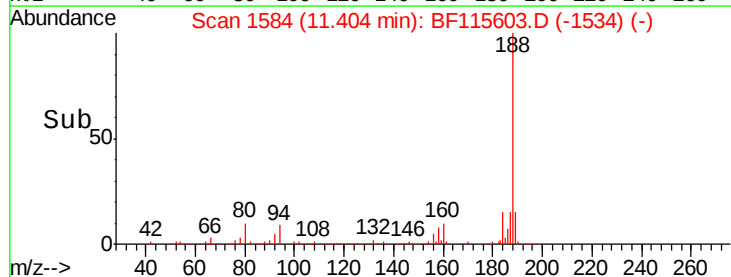
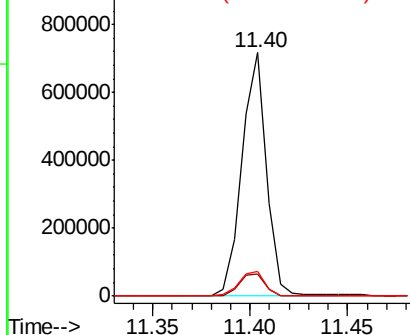
Lab File: BF115603.D

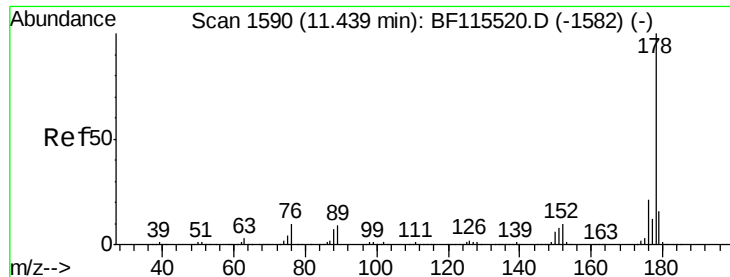
Acq: 16 Jul 2019 17:57

Tgt Ion:	188	Resp:	629724
Ion Ratio	Lower	Upper	
188	100		
94	9.2	7.8	11.6
80	9.9	8.6	13.0



Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1





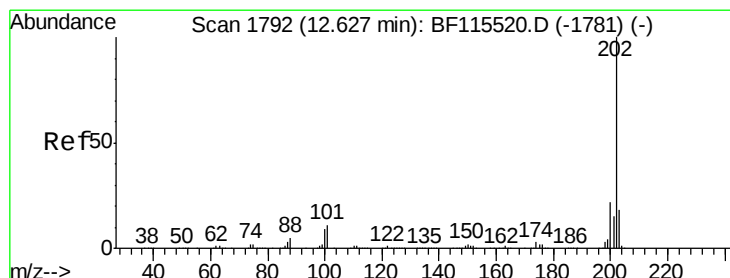
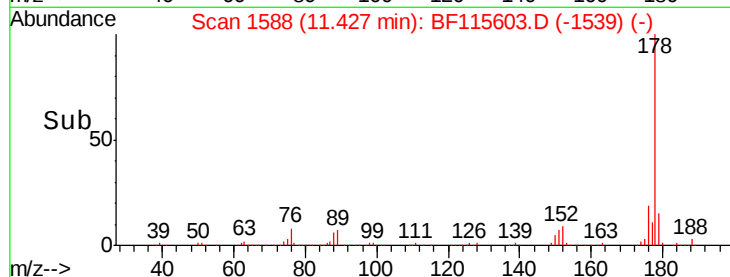
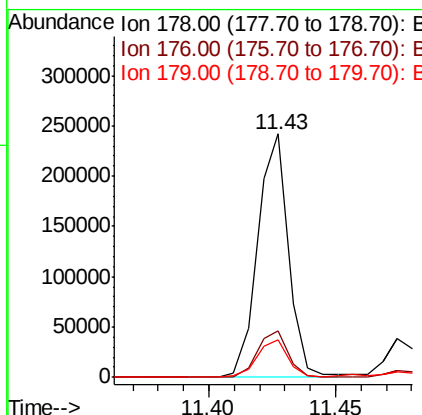
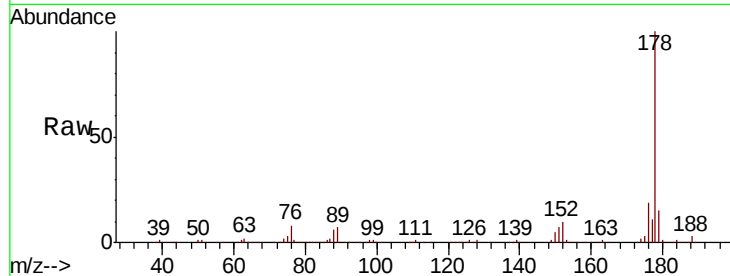
#71
Phenanthrene
Concen: 6.360 ng
RT: 11.43 min Scan# 1588
Delta R.T. -0.01 min
Lab File: BF115603.D
Acq: 16 Jul 2019 17:57

Instrument :
BNA_F
ClientSampleId :
RT-1873

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.3	17.2	25.8
179	15.4	13.5	20.3

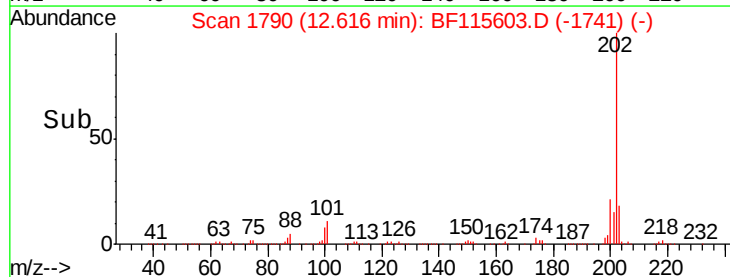
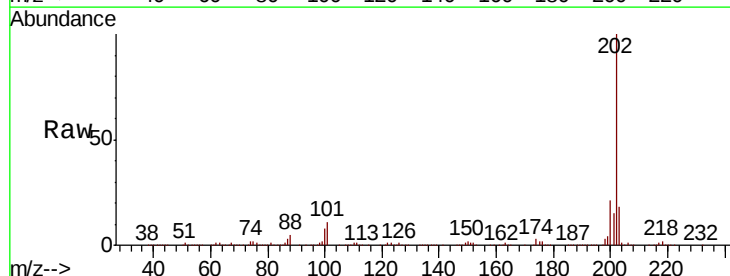
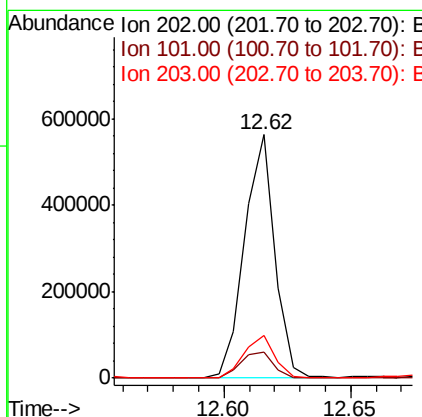
Manual Integrations
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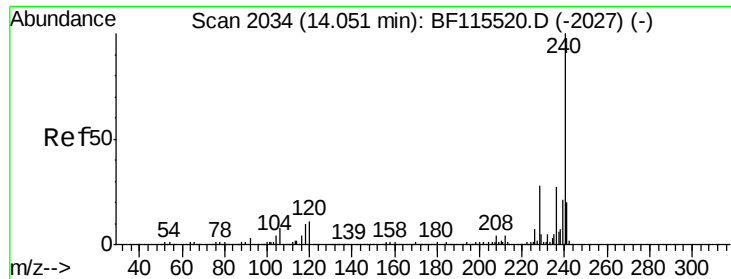
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#75
Fluoranthene
Concen: 13.665 ng
RT: 12.62 min Scan# 1790
Delta R.T. -0.01 min
Lab File: BF115603.D
Acq: 16 Jul 2019 17:57

Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.9	0.0	31.4
203	17.7	0.0	38.1





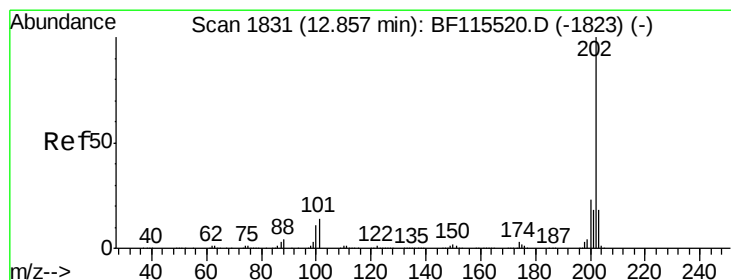
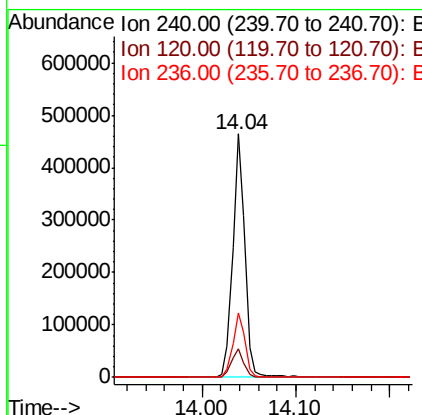
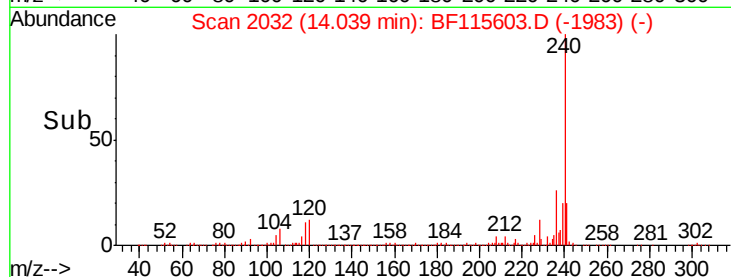
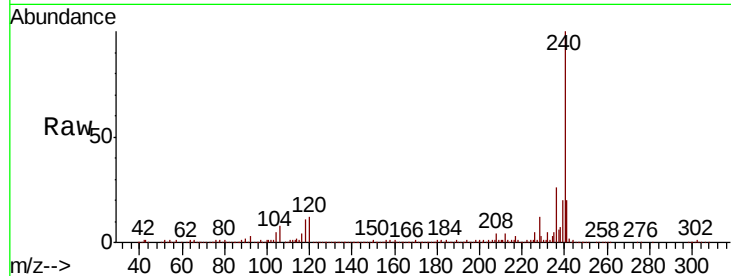
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.04 min Scan# 2032
Delta R.T. -0.01 min
Lab File: BF115603.D
Acq: 16 Jul 2019 17:57

Instrument :
BNA_F
ClientSampleId :
RT-1873

Tot Ion	Ratio	Lower	Upper
240	100		
120	11.9	8.6	13.0
236	26.4	21.3	31.9

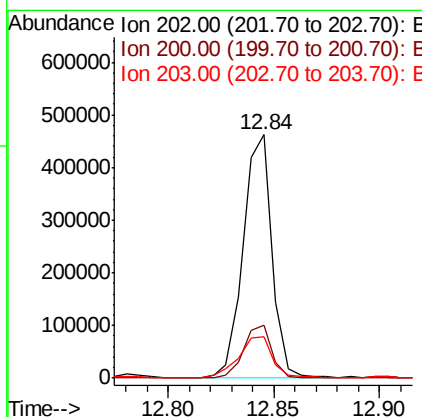
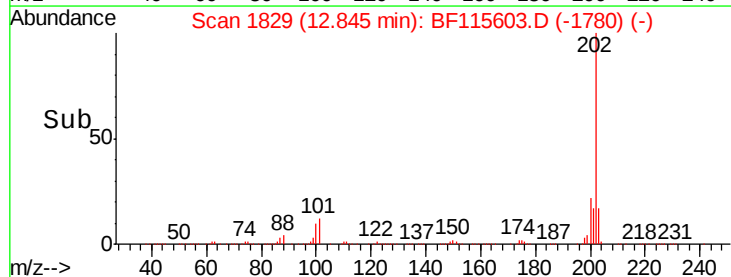
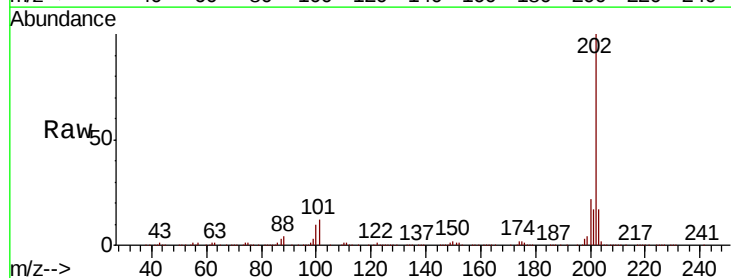
Manual Integrations
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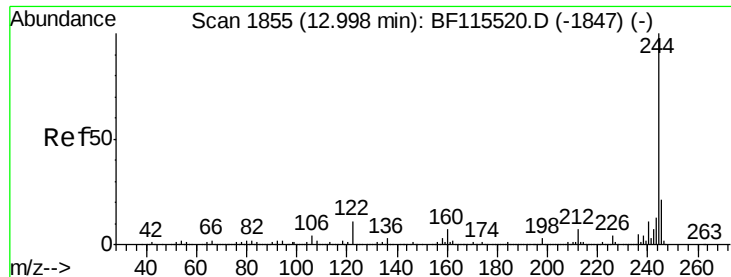
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#78
Pyrene
Concen: 12.260 ng
RT: 12.84 min Scan# 1829
Delta R.T. -0.01 min
Lab File: BF115603.D
Acq: 16 Jul 2019 17:57

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.6	18.7	28.1
203	17.2	15.2	22.8





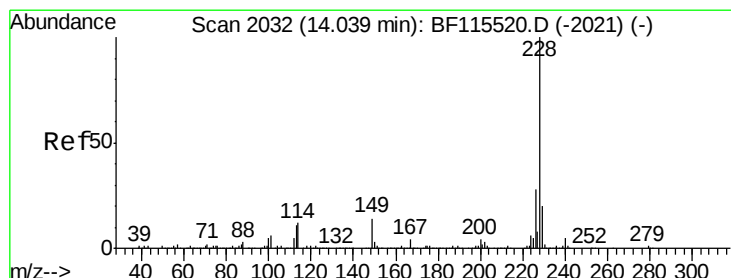
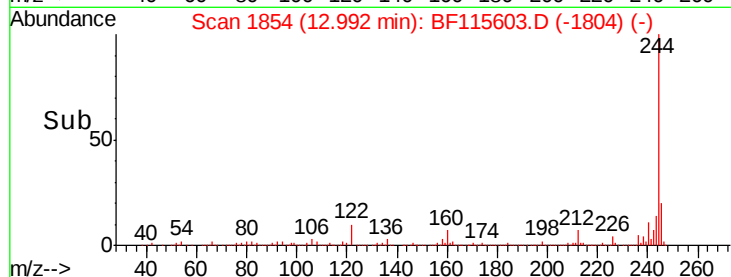
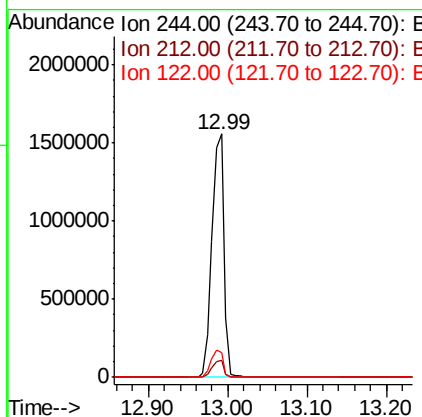
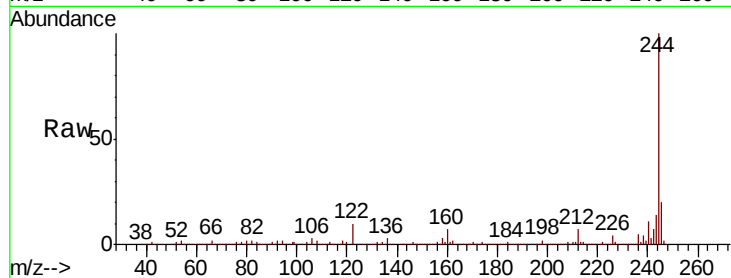
#79
 Terphenyl-d14
 Concen: 72.836 ng
 RT: 12.99 min Scan# 1854
 Delta R.T. -0.01 min
 Lab File: BF115603.D
 Acq: 16 Jul 2019 17:57

Instrument :
 BNA_F
 ClientSampleId :
 RT-1873

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.0	6.0	9.0
122	10.3	8.6	12.8

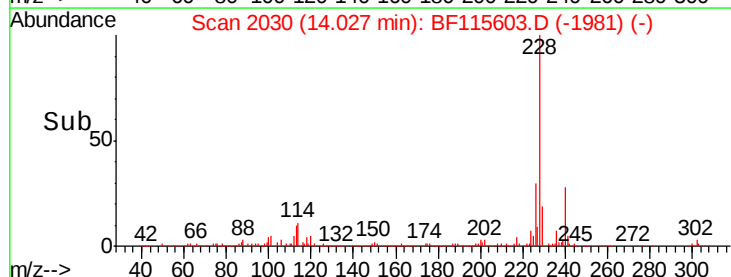
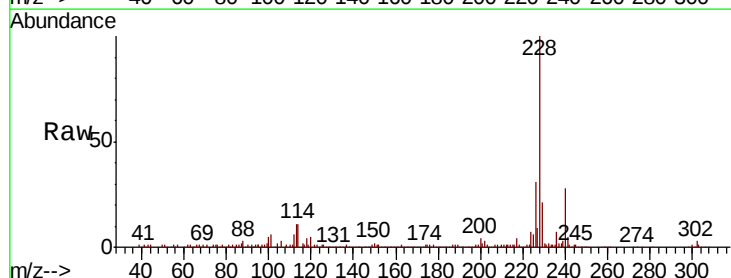
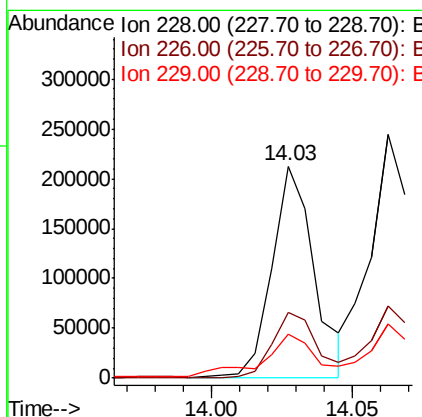
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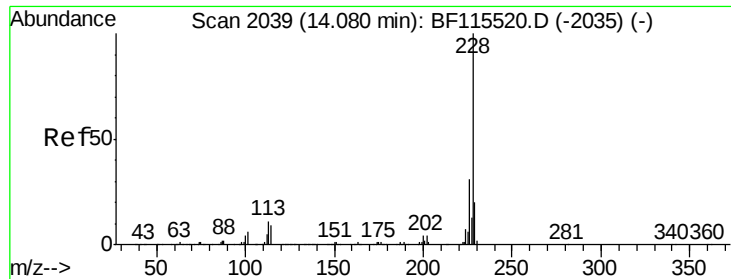
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#81
 Benzo(a)anthracene
 Concen: 7.913 ng
 RT: 14.03 min Scan# 2030
 Delta R.T. -0.01 min
 Lab File: BF115603.D
 Acq: 16 Jul 2019 17:57

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.8	23.4	35.0
229	20.7	17.2	25.8





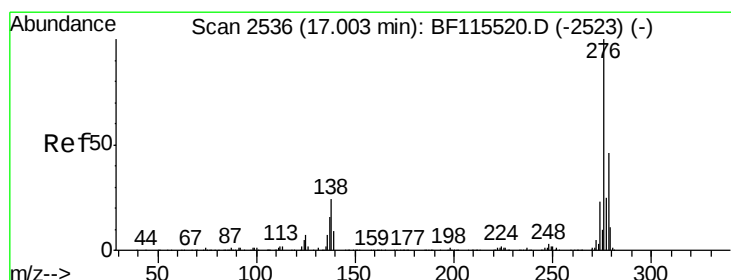
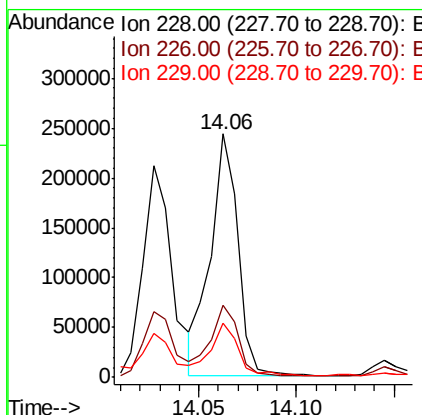
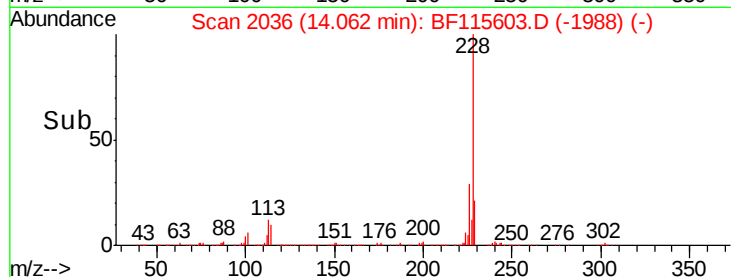
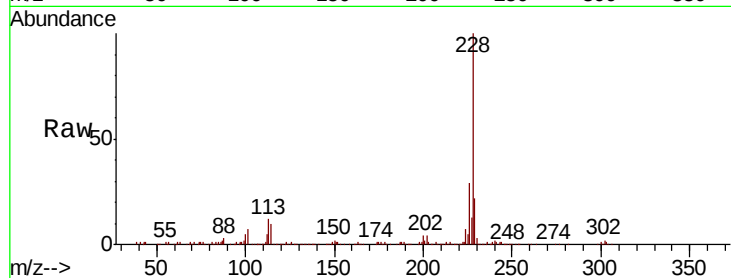
#83
Chrysene
Concen: 8.667 ng
RT: 14.06 min Scan# 2036
Delta R.T. -0.02 min
Lab File: BF115603.D
Acq: 16 Jul 2019 17:57

Instrument :
BNA_F
ClientSampleId :
RT-1873

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.5	25.7	38.5
229	22.1	16.6	25.0

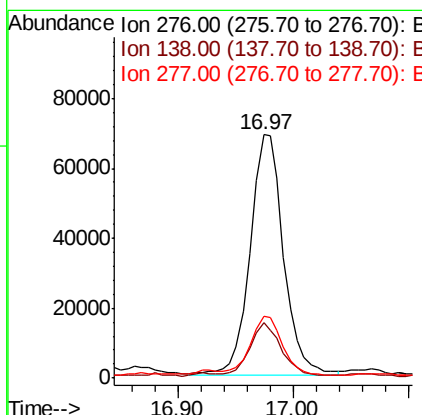
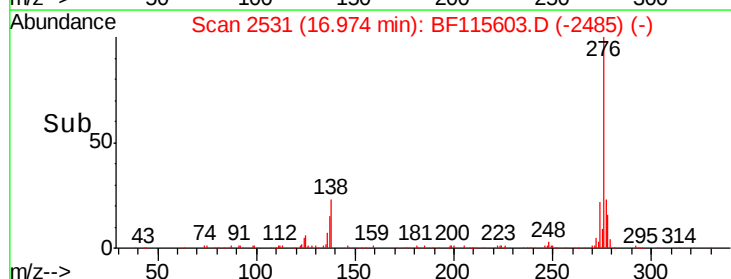
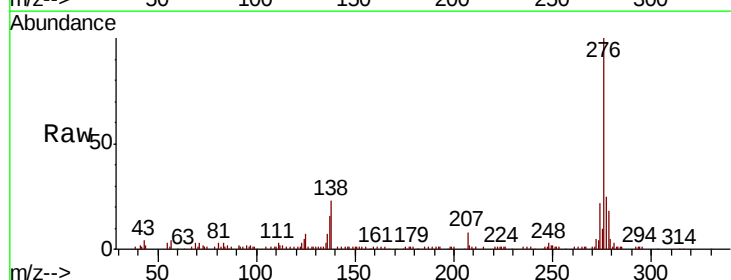
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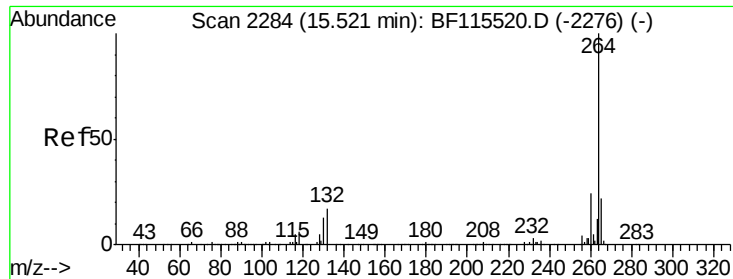
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#86
Indeno(1,2,3-cd)pyrene
Concen: 5.921 ng
RT: 16.97 min Scan# 2531
Delta R.T. -0.03 min
Lab File: BF115603.D
Acq: 16 Jul 2019 17:57

Tgt Ion	Ratio	Lower	Upper
276	100		
138	21.1	20.2	30.2
277	24.1	20.4	30.6





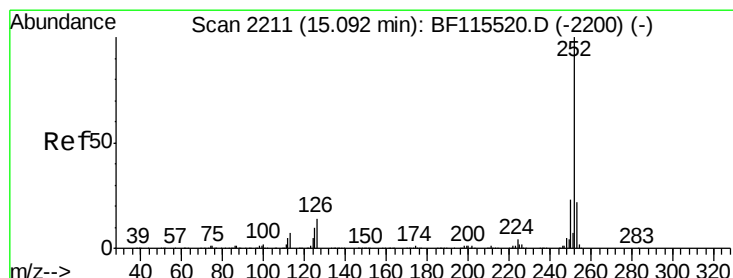
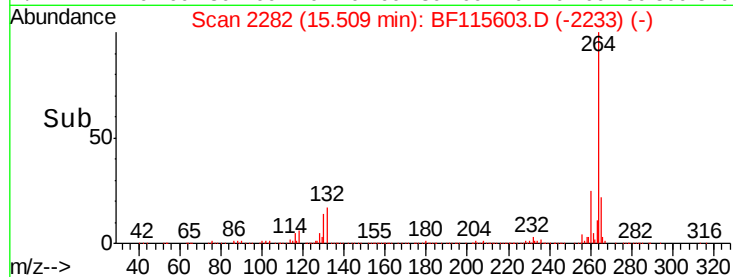
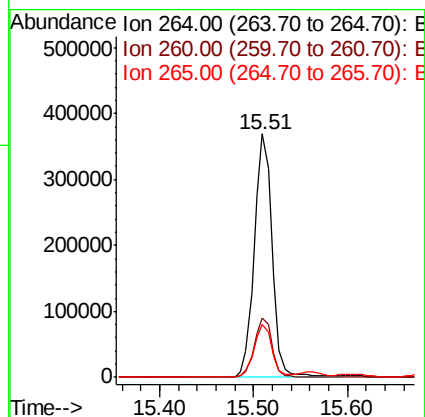
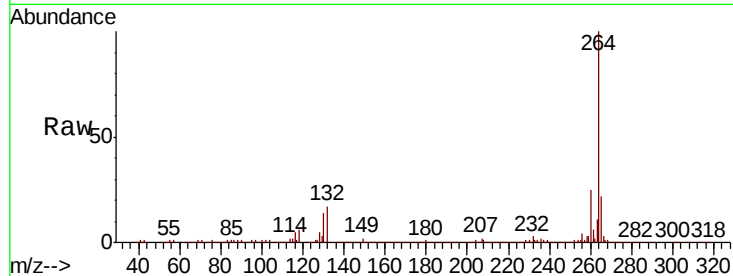
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.51 min Scan# 2282
Delta R.T. -0.01 min
Lab File: BF115603.D
Acq: 16 Jul 2019 17:57

Instrument :
BNA_F
ClientSampled :
RT-1873

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.6	19.8	29.8
265	21.8	17.7	26.5

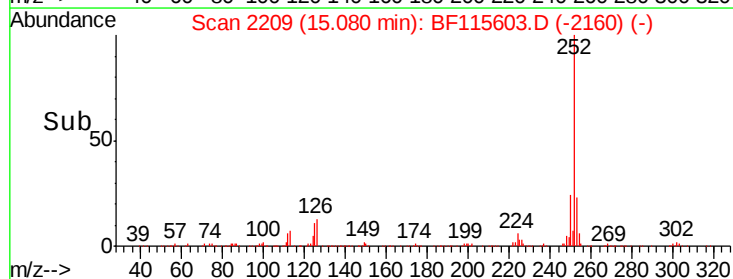
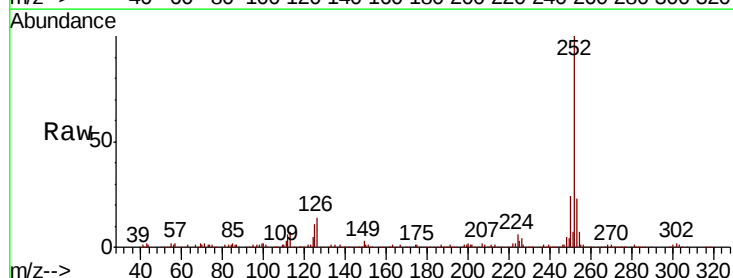
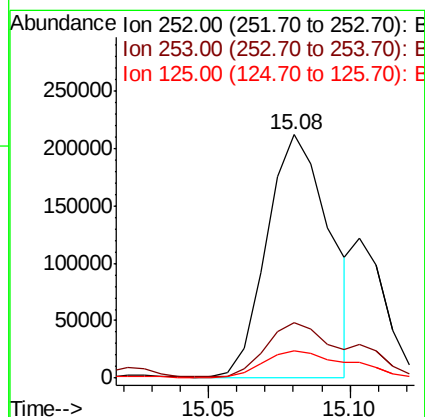
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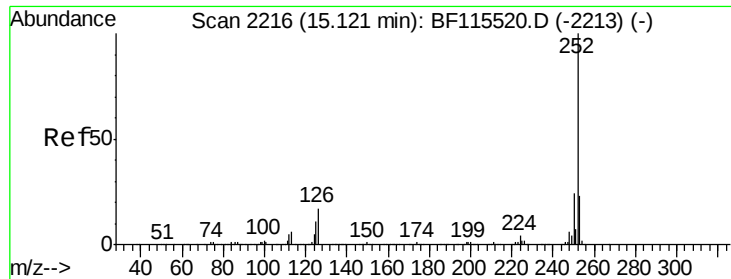
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#88
Benzo(b)fluoranthene
Concen: 10.493 ng m
RT: 15.08 min Scan# 2209
Delta R.T. -0.01 min
Lab File: BF115603.D
Acq: 16 Jul 2019 17:57

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	18.1	27.1
125	11.0	9.0	13.4





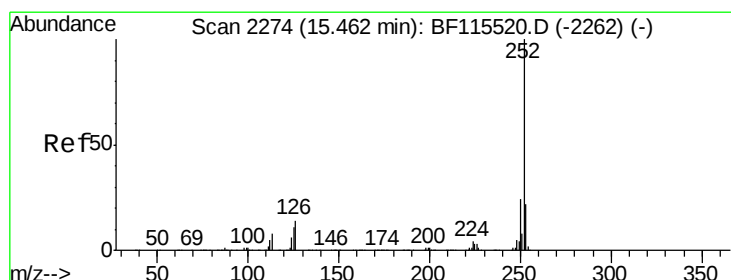
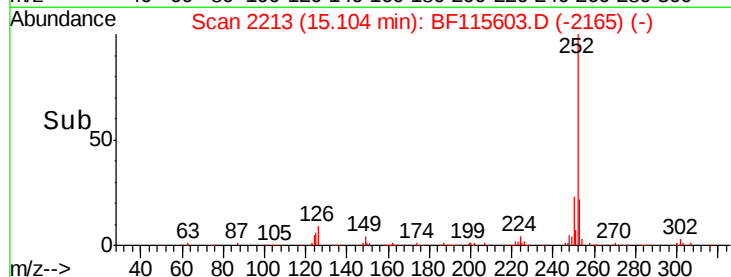
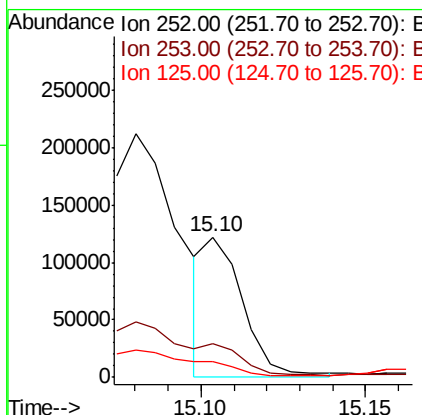
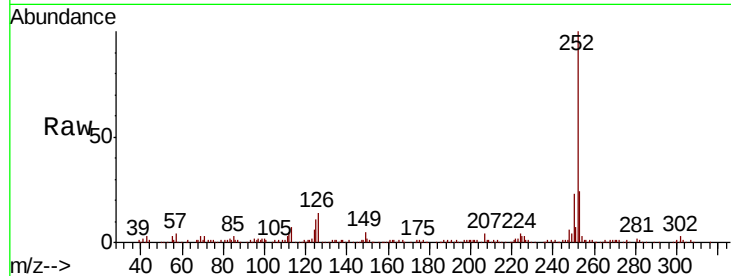
#89
Benzo(k)fluoranthene
Concen: 3.626 ng m
RT: 15.10 min Scan# 2213
Delta R.T. -0.02 min
Lab File: BF115603.D
Acq: 16 Jul 2019 17:57

Instrument :
BNA_F
ClientSampled :
RT-1873

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.6	18.6	28.0
125	11.0	9.0	13.6

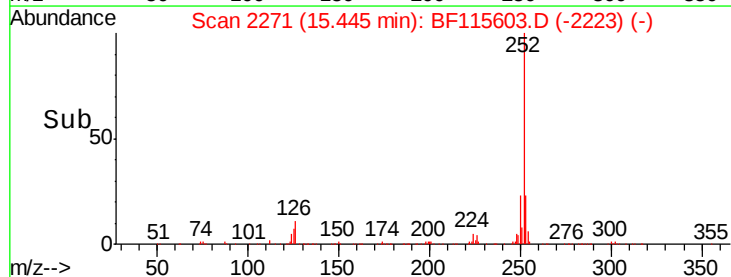
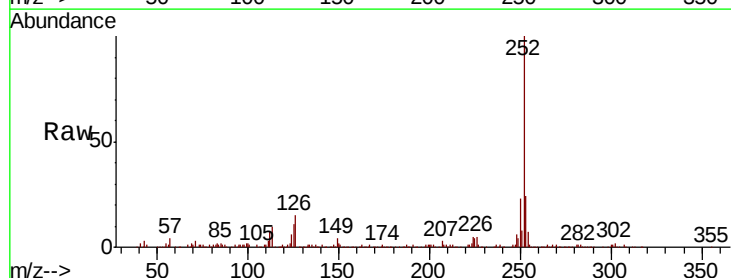
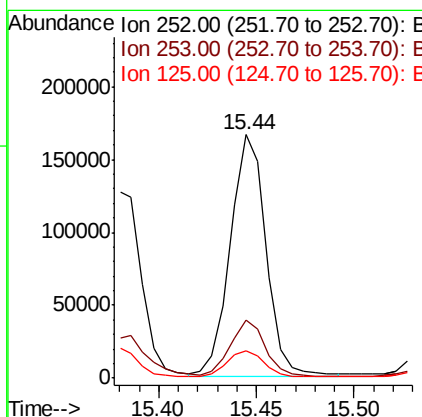
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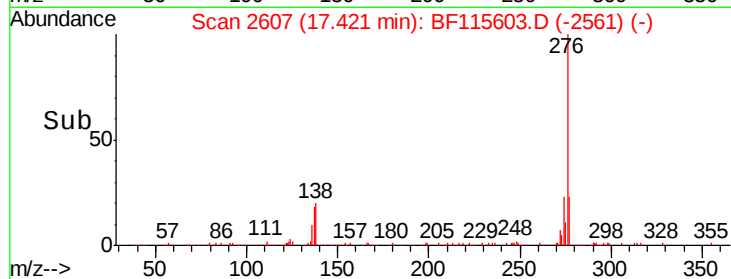
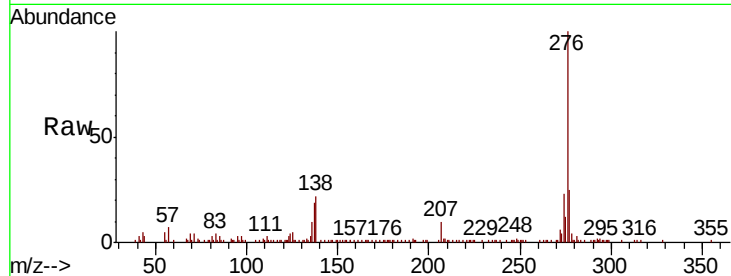
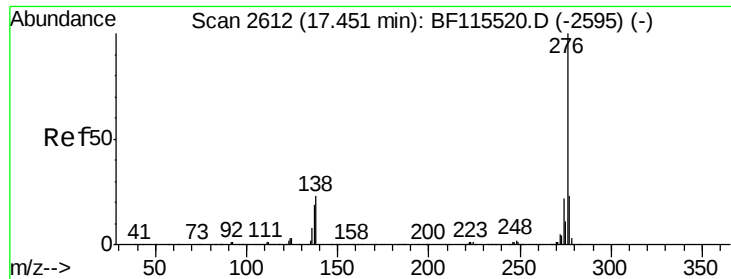
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#90
Benzo(a)pyrene
Concen: 7.764 ng
RT: 15.44 min Scan# 2271
Delta R.T. -0.02 min
Lab File: BF115603.D
Acq: 16 Jul 2019 17:57

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.8	26.6
125	11.1	9.1	13.7





#92
Benzo(a,h,i)perylene
Concen: 5.298 ng
RT: 17.42 min Scan# 2607
Delta R.T. -0.03 min
Lab File: BF115603.D
Acq: 16 Jul 2019 17:57

Instrument :
BNA_F
ClientSampleId :
RT-1873

Tot Ion	Ratio	Resp Lower	Resp Upper
276	100		
277	24.7	19.0	28.4
138	21.7	17.2	25.8

Manual Integrations
APPROVED

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