

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012020\
 Data File : BF118612.D
 Acq On : 21 Jan 2020 1:03
 Operator : CG/JU
 Sample : L1164-07
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 QVD-SB-0203-0-11

Manual Integrations
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 1/21/2020 2:26:28 PM

Quant Time: Jan 21 03:15:58 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF012020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 20 14:45:03 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.88	152	454248	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	1516494	20.00	ng	0.00
39) Acenaphthene-d10	9.92	164	717248	20.00	ng	-0.01
64) Phenanthrene-d10	11.40	188	1149680	20.00	ng	0.00
76) Chrysene-d12	14.04	240	936815	20.00	ng	0.00
87) Perylene-d12	15.53	264	817316	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	2340396	95.69	ng	0.00
7) Phenol-d6	6.50	99	3053564	96.06	ng	0.00
23) Nitrobenzene-d5	7.44	82	1836318	67.73	ng	0.00
42) 2,4,6-Tribromophenol	10.70	330	712651	85.90	ng	0.00
45) 2-Fluorobiphenyl	9.24	172	3104535	71.14	ng	0.00
79) Terphenyl-d14	12.99	244	3254545	75.77	ng	0.00
Target Compounds						Qvalue
50) Dimethylphthalate	9.63	163	206832	4.426	ng	96
71) Phenanthrene	11.43	178	559237	10.083	ng	92
72) Anthracene	11.47	178	203985m	3.717	ng	
75) Fluoranthene	12.62	202	1055137	18.036	ng	94
78) Pyrene	12.84	202	939485	14.771	ng	92
81) Benzo(a)anthracene	14.03	228	554990	9.848	ng	97
83) Chrysene	14.07	228	544977	10.090	ng	97
86) Indeno(1,2,3-cd)pyrene	17.01	276	265254	5.652	ng	97
88) Benzo(b)fluoranthene	15.09	252	706875m	13.759	ng	
89) Benzo(k)fluoranthene	15.12	252	178225m	3.745	ng	
90) Benzo(a)pyrene	15.46	252	409944	9.250	ng	# 89
92) Benzo(a,h,i)perylene	17.46	276	250500	6.581	ng	# 90

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

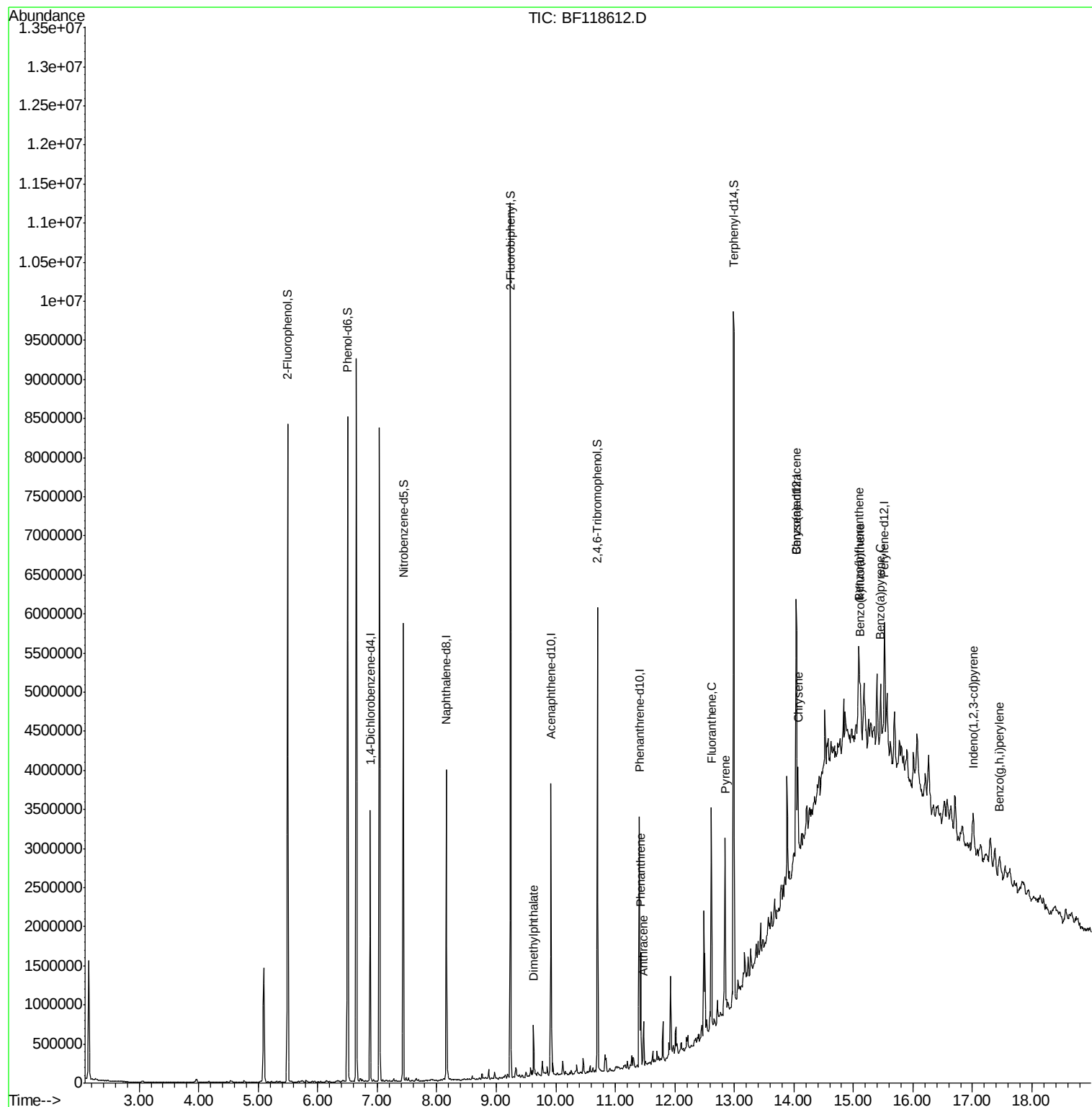
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012020\
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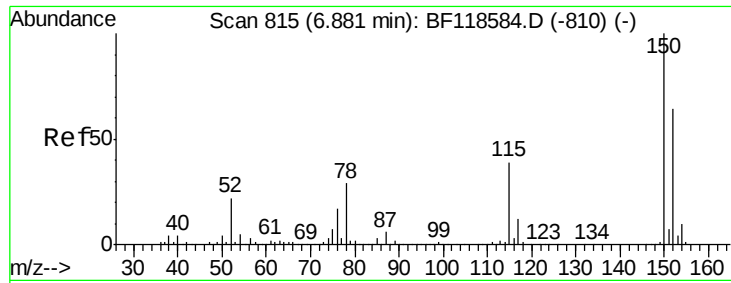
Instrument :
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QVD-SB-0203-0-11

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#1

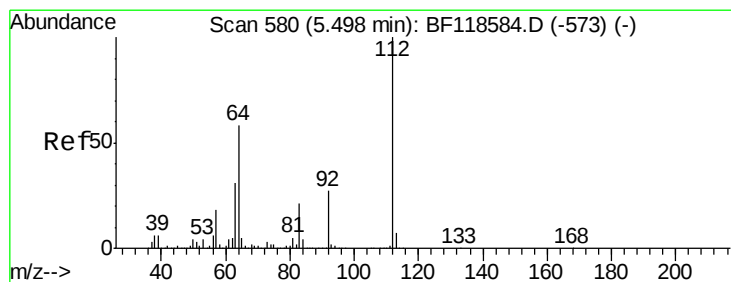
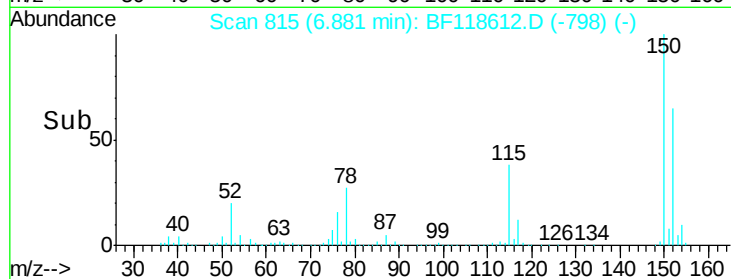
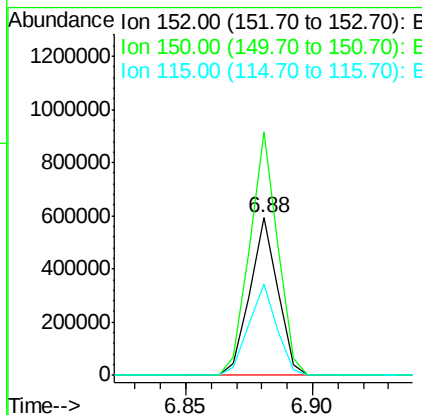
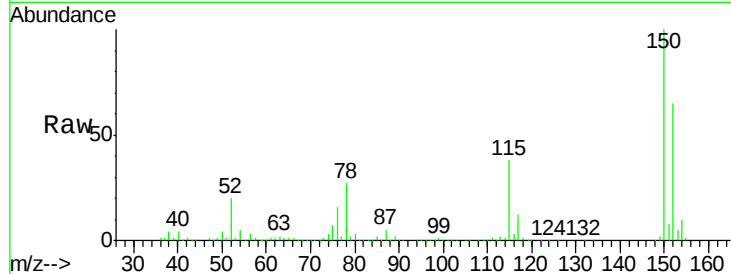
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.88 min Scan# 815
Delta R.T. 0.00 min
Lab File: BF118612.D
Acq: 21 Jan 2020 1:03

Instrument :
BNA_F
ClientSampleId :
QVD-SB-0203-0-11

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.8	125.6	188.4
115	58.2	48.4	72.6

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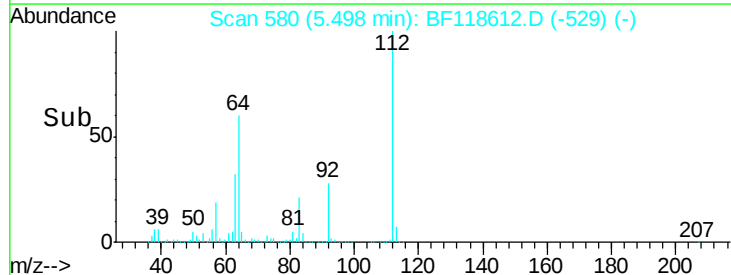
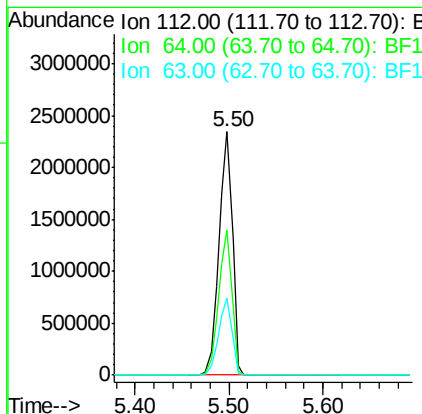
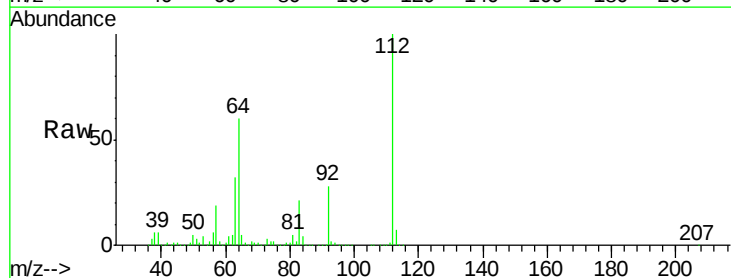
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#5

2-Fluorophenol
Concen: 95.690 ng
RT: 5.50 min Scan# 580
Delta R.T. 0.00 min
Lab File: BF118612.D
Acq: 21 Jan 2020 1:03

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.6	46.6	70.0
63	31.9	25.1	37.7





#7

Phenol-d6

Concen: 96.057 ng

RT: 6.50 min Scan# 751

Delta R.T. -0.01 min

Lab File: BF118612.D

Acq: 21 Jan 2020 1:03

Instrument :

BNA_F

ClientSampleId :

QVD-SB-0203-0-11

Tot Ion: 99 Resp: 3053564

Ion Ratio Lower Upper

99 100

42 19.0 14.2 21.2

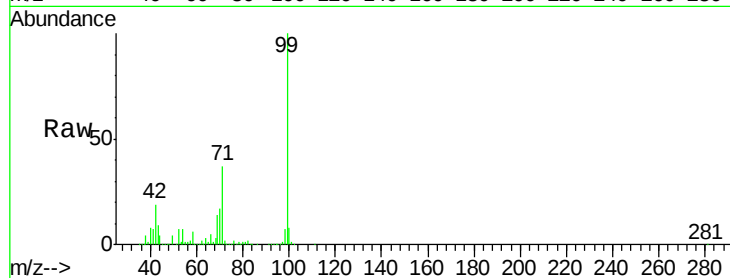
71 37.2 27.8 41.6

Manual Integrations

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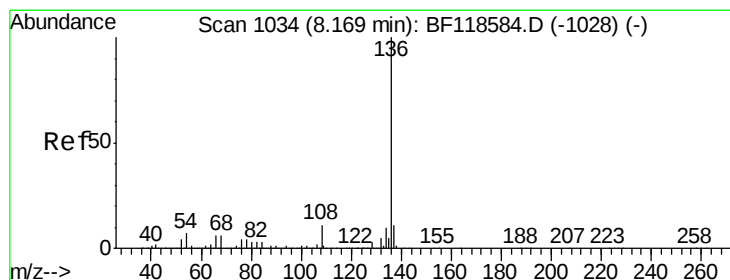
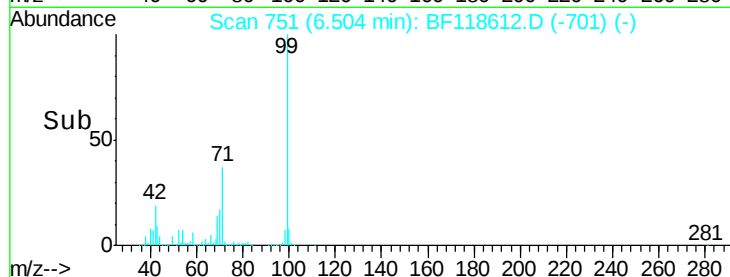
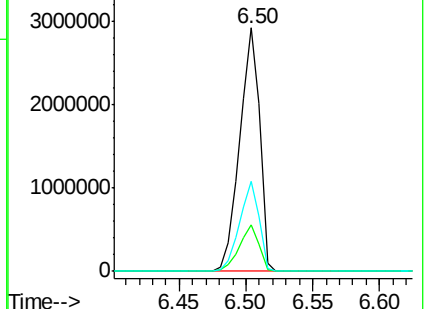
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Abundance Ion 99.00 (98.70 to 99.70): BF1

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: BF118612.D

Acq: 21 Jan 2020 1:03

Tgt Ion: 136 Resp: 1516494

Ion Ratio Lower Upper

136 100

137 11.8 9.1 13.7

54 7.3 5.8 8.6

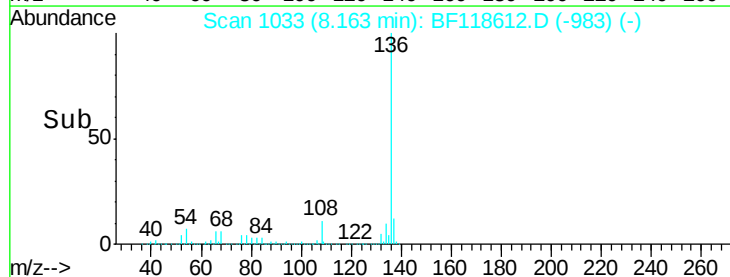
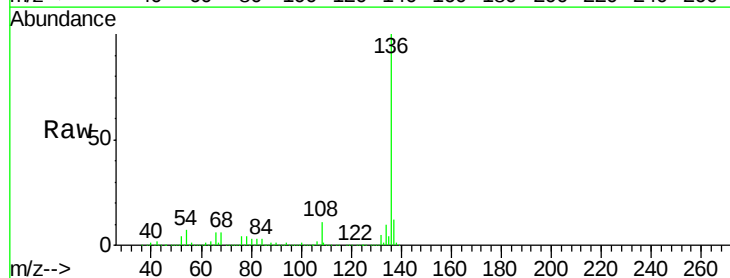
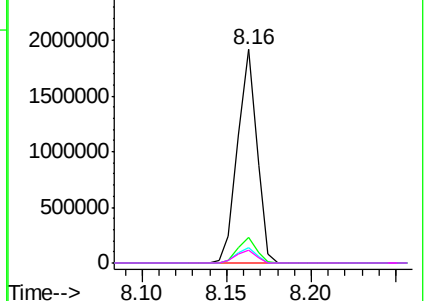
68 6.2 5.0 7.4

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





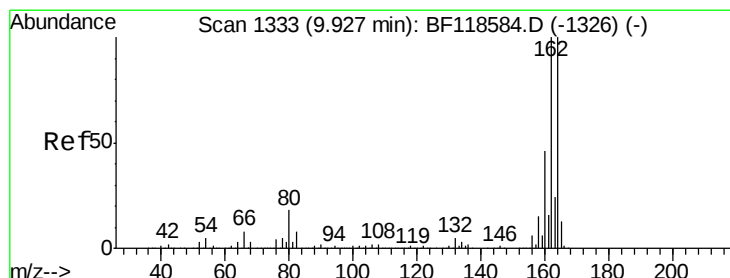
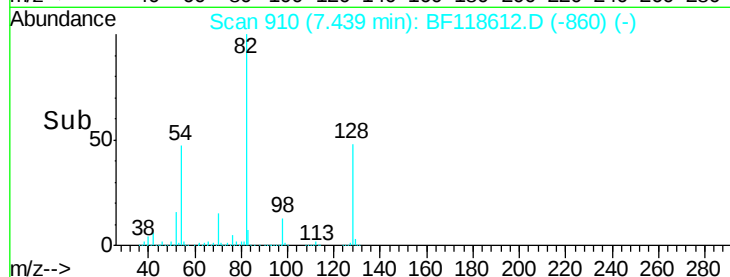
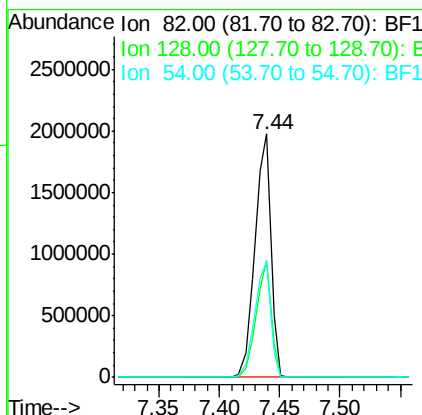
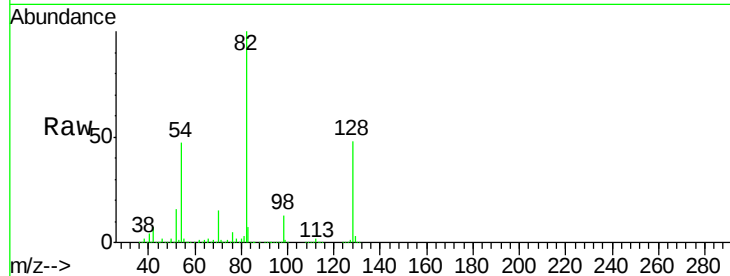
#23
Nitrobenzene-d5
Concen: 67.730 ng
RT: 7.44 min Scan# 910
Delta R.T. -0.01 min
Lab File: BF118612.D
Acq: 21 Jan 2020 1:03

Instrument :
BNA_F
ClientSampleId :
QVD-SB-0203-0-11

Tot Ion	Ratio	Lower	Upper
82	100		
128	48.1	36.6	54.8
54	47.5	38.0	57.0

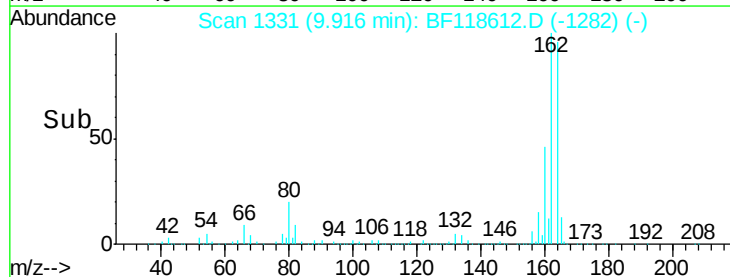
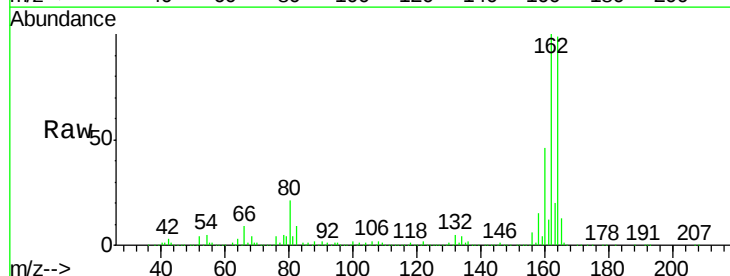
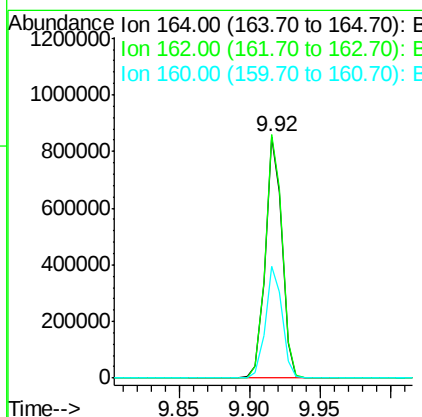
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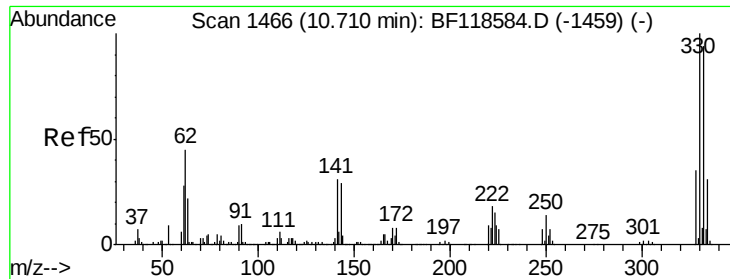
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.92 min Scan# 1331
Delta R.T. -0.01 min
Lab File: BF118612.D
Acq: 21 Jan 2020 1:03

Tgt Ion	Ratio	Lower	Upper
164	100		
162	100.8	80.4	120.6
160	46.1	36.6	55.0





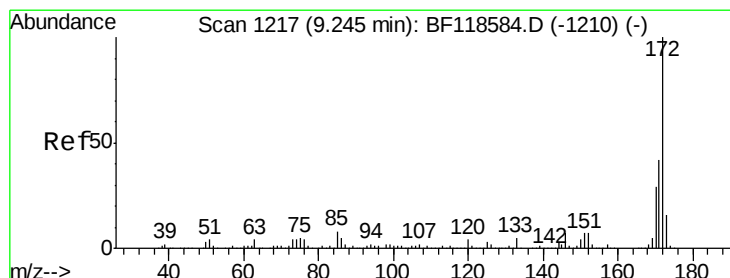
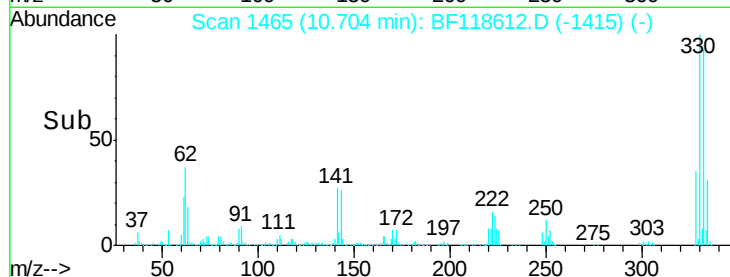
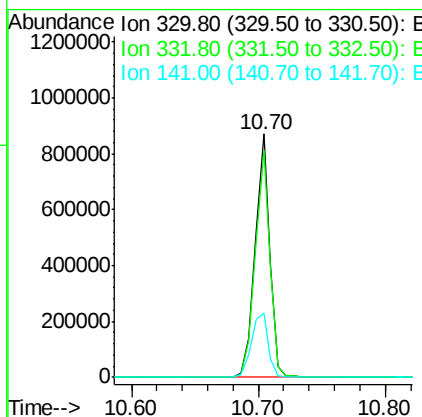
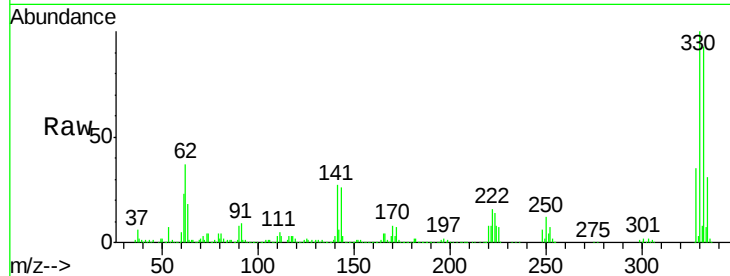
#42
 2,4,6-Tribromophenol
 Concen: 85.904 ng
 RT: 10.70 min Scan# 1465
 Delta R.T. -0.01 min
 Lab File: BF118612.D
 Acq: 21 Jan 2020 1:03

Instrument :
 BNA_F
 ClientSampleId :
 QVD-SB-0203-0-11

Tot Ion	Ratio	Lower	Upper
330	100		
332	94.7	76.2	114.4
141	29.9	23.9	35.9

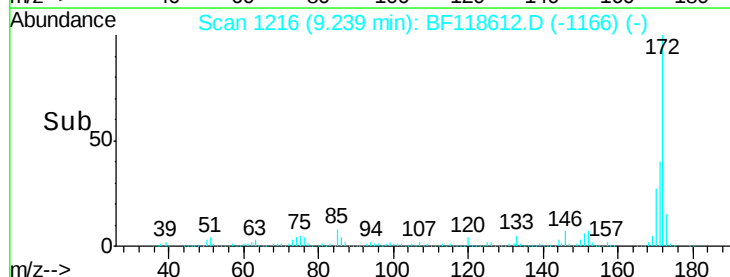
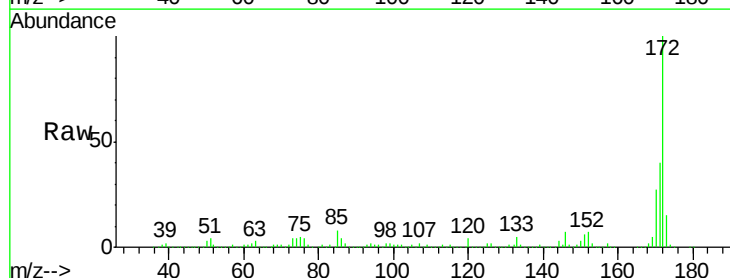
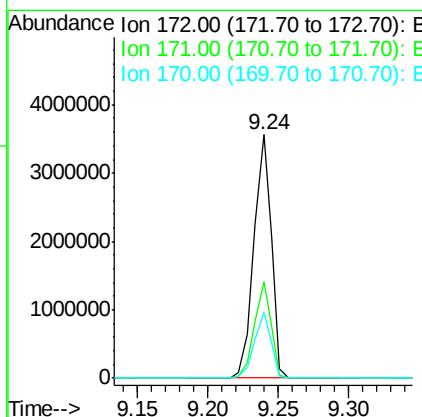
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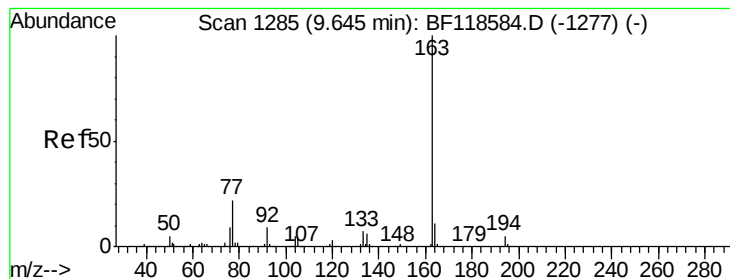
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#45
 2-Fluorobiphenyl
 Concen: 71.142 ng
 RT: 9.24 min Scan# 1216
 Delta R.T. -0.01 min
 Lab File: BF118612.D
 Acq: 21 Jan 2020 1:03

Tgt Ion	Ratio	Lower	Upper
172	100		
171	39.6	33.4	50.2
170	26.9	23.2	34.8





#50

Dimethylphthalate

Concen: 4.426 ng

RT: 9.63 min Scan# 1282

Delta R.T. -0.02 min

Lab File: BF118612.D

Acq: 21 Jan 2020 1:03

Instrument :

BNA_F

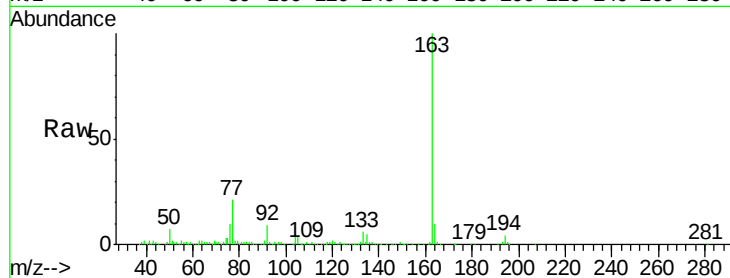
ClientSampleId :

QVD-SB-0203-0-11

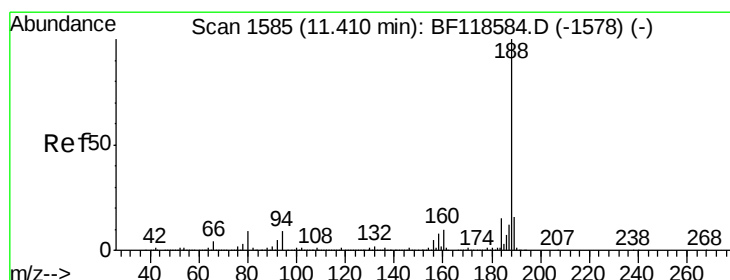
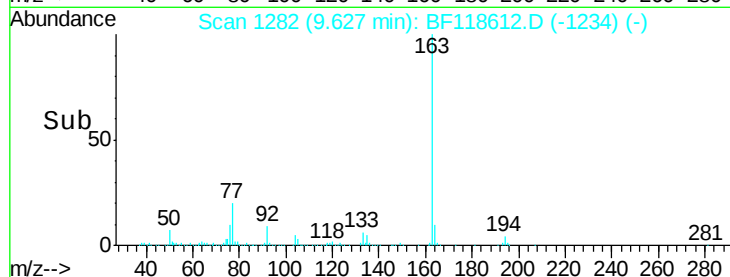
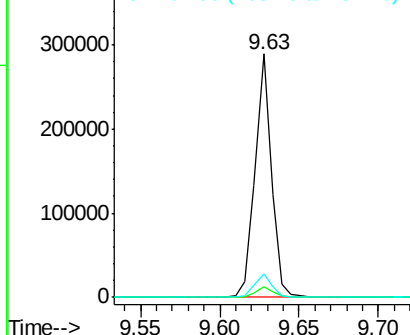
Tot Ion	Ion	Ratio	Resp	Lower	Upper
163	100		206832		
194	4.2		3.9	5.9	
164	9.8		9.1	13.7	

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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

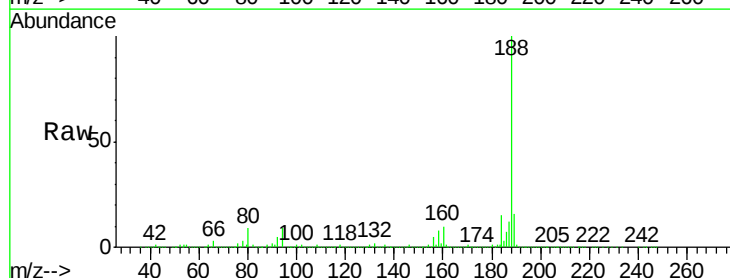
RT: 11.40 min Scan# 1584

Delta R.T. -0.01 min

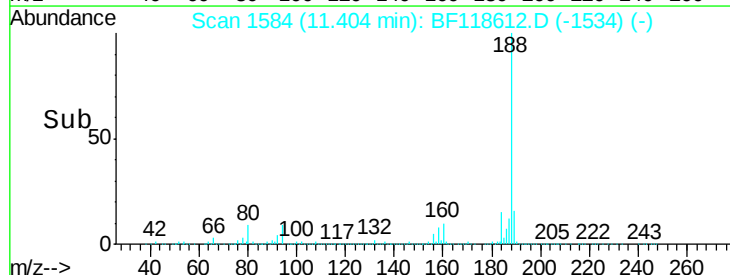
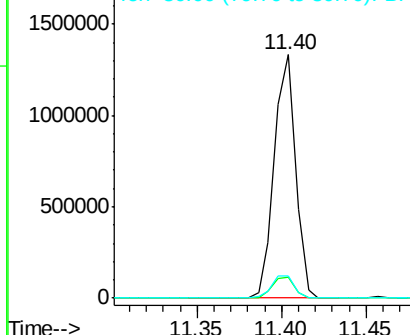
Lab File: BF118612.D

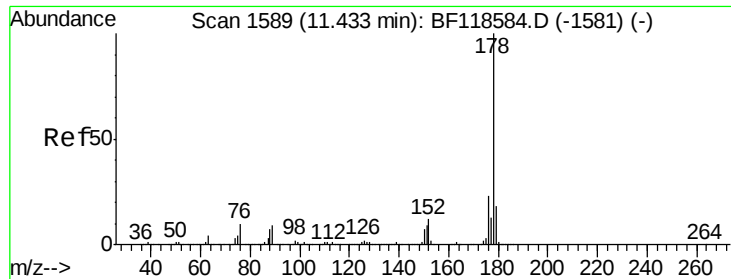
Acq: 21 Jan 2020 1:03

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
188	100		1149680		
94	8.6		7.1	10.7	
80	9.2		7.5	11.3	



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





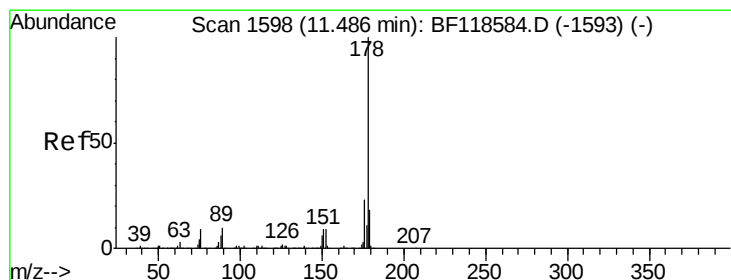
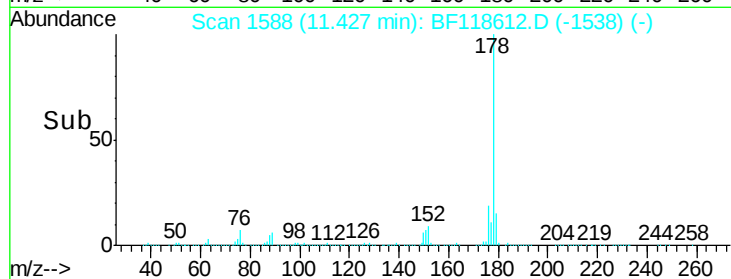
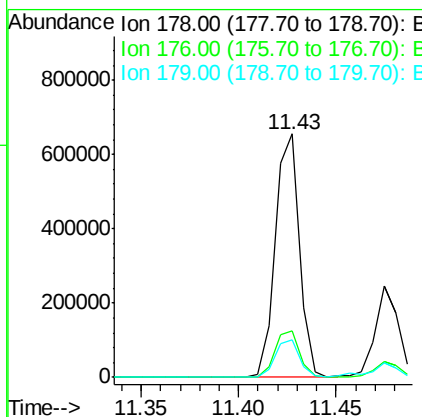
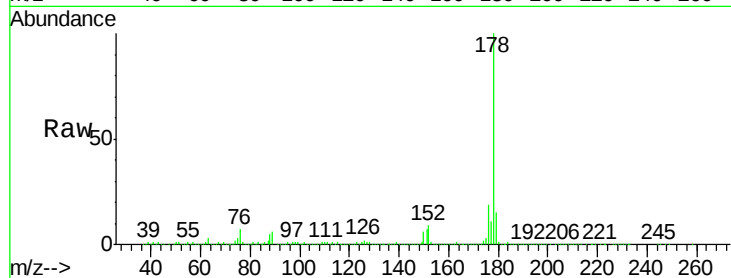
#71
Phenanthrene
Concen: 10.083 ng
RT: 11.43 min Scan# 1588
Delta R.T. -0.01 min
Lab File: BF118612.D
Acq: 21 Jan 2020 1:03

Instrument :
BNA_F
ClientSampleId :
QVD-SB-0203-0-11

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.3	18.6	27.8
179	15.3	14.7	22.1

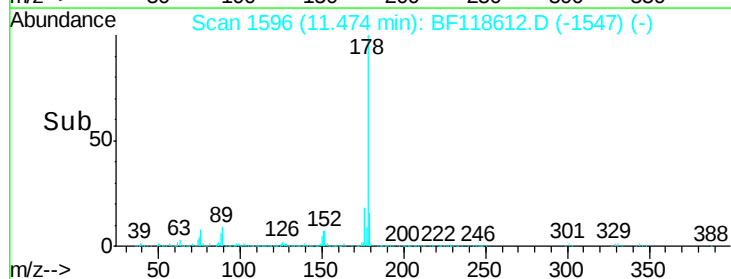
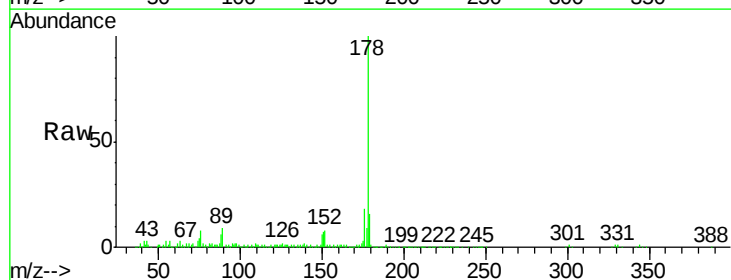
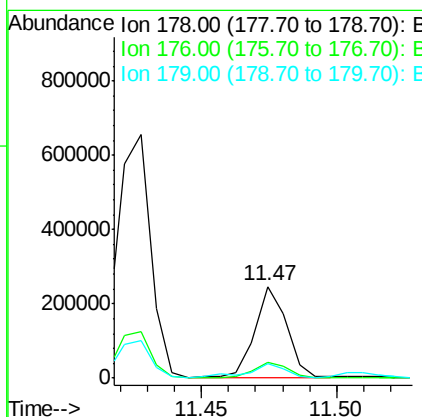
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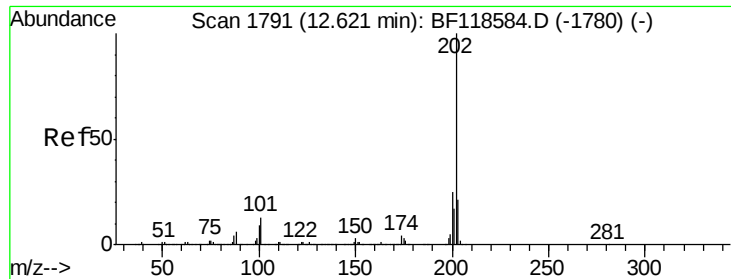
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#72
Anthracene
Concen: 3.717 ng m
RT: 11.47 min Scan# 1596
Delta R.T. -0.01 min
Lab File: BF118612.D
Acq: 21 Jan 2020 1:03

Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.7	18.0	27.0#
179	16.4	14.7	22.1





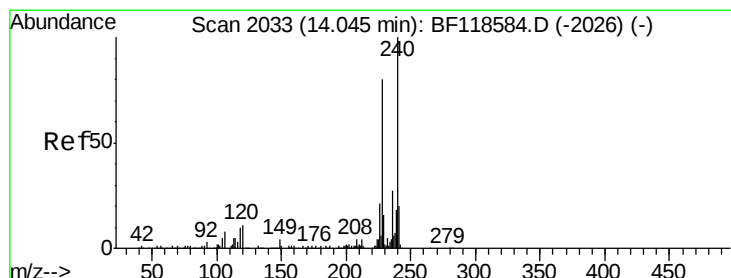
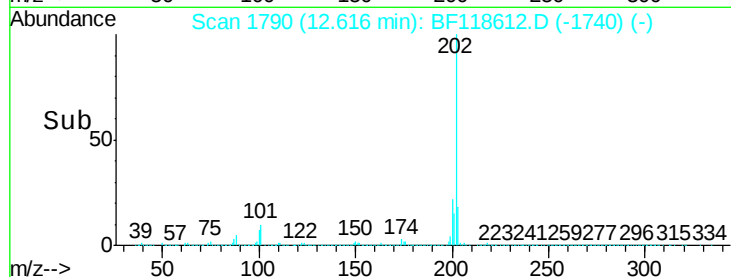
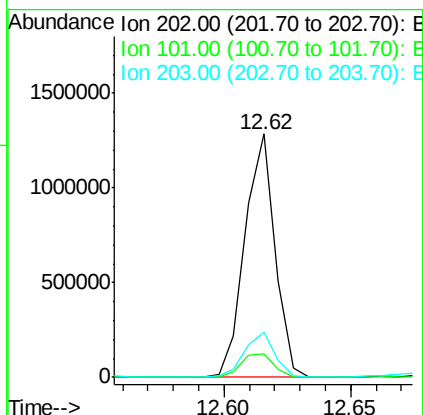
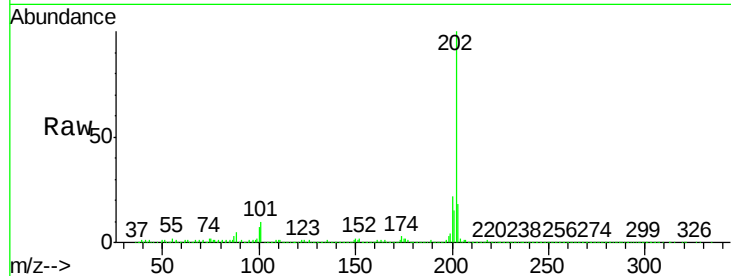
#75
 Fluoranthene
 Concen: 18.036 ng
 RT: 12.62 min Scan# 1790
 Delta R.T. -0.01 min
 Lab File: BF118612.D
 Acq: 21 Jan 2020 1:03

Instrument :
 BNA_F
 ClientSampleId :
 QVD-SB-0203-0-11

Tot Ion	Ratio	Lower	Upper
202	100		
101	9.7	0.0	32.5
203	18.3	0.8	40.8

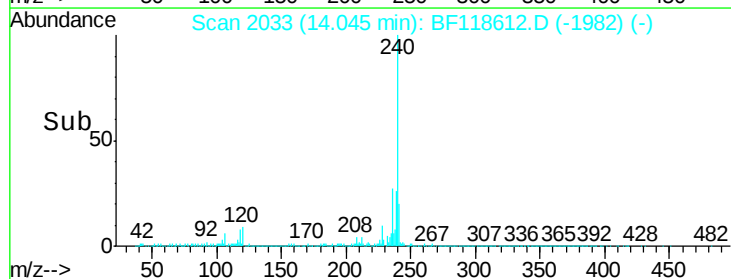
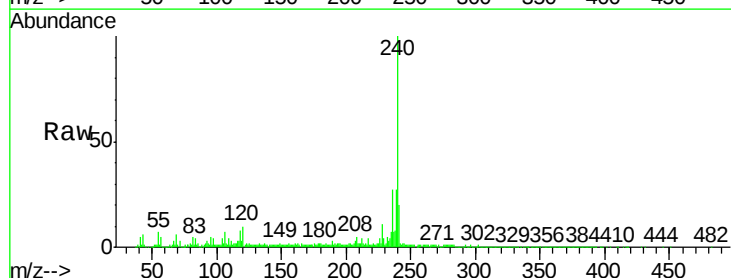
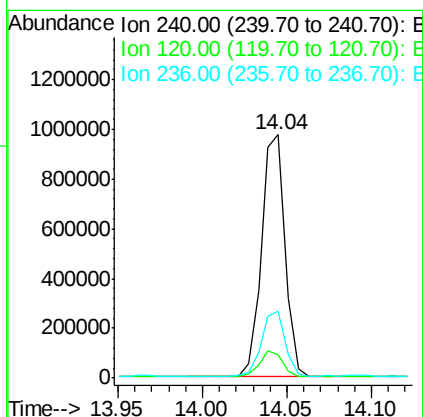
Manual Integrations
 APPROVED

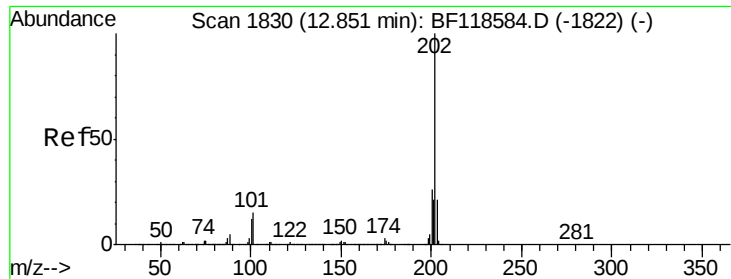
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#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.04 min Scan# 2033
 Delta R.T. 0.00 min
 Lab File: BF118612.D
 Acq: 21 Jan 2020 1:03

Tgt Ion	Ratio	Lower	Upper
240	100		
120	9.7	8.9	13.3
236	27.5	21.5	32.3





#78

Pvrene

Concen: 14.771 ng

RT: 12.84 min Scan# 1829

Delta R.T. -0.01 min

Lab File: BF118612.D

Acq: 21 Jan 2020 1:03

Instrument :

BNA_F

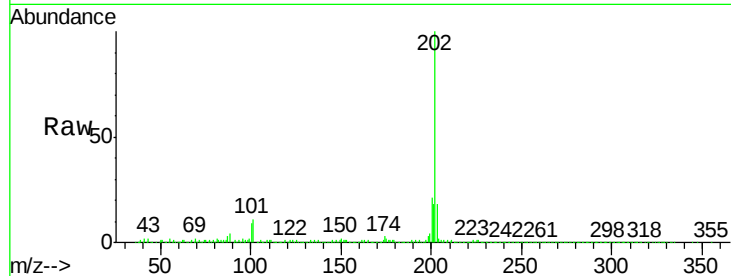
ClientSampleId :

QVD-SB-0203-0-11

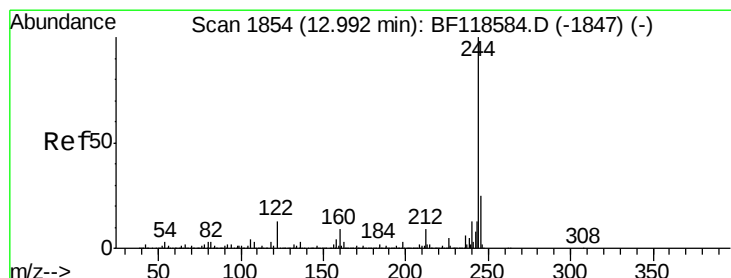
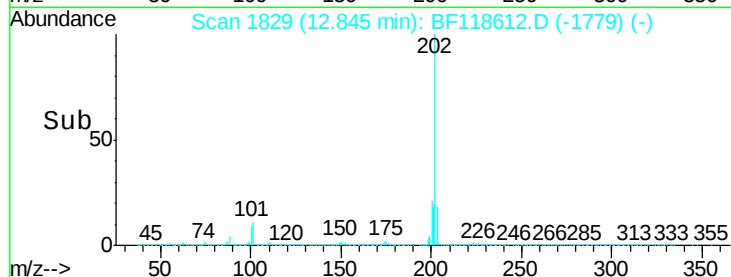
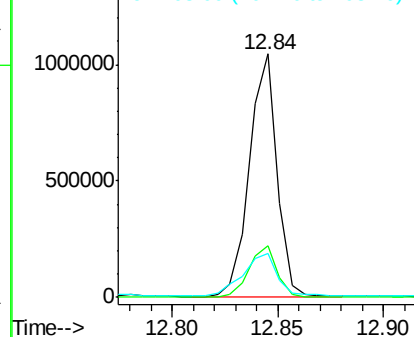
Tot Ion	Ion	Ratio	Resp	Lower	Upper
202	100		939485		
200	21.4	20.6	31.0		
203	18.1	16.8	25.2		

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Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E



#79

Terphenyl-d14

Concen: 75.772 ng

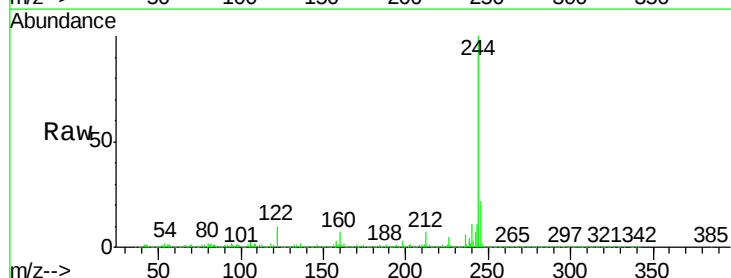
RT: 12.99 min Scan# 1854

Delta R.T. 0.00 min

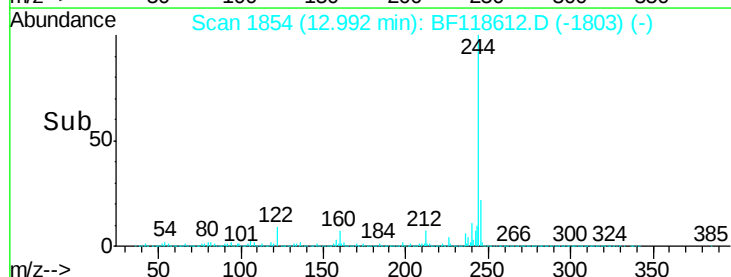
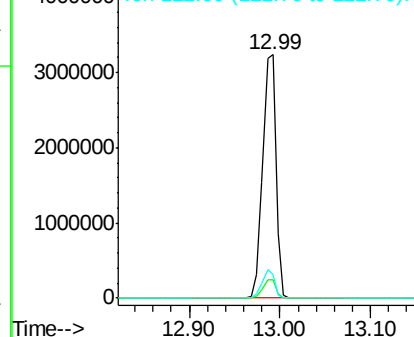
Lab File: BF118612.D

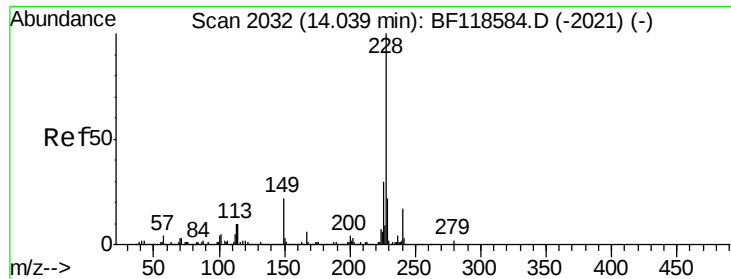
Acq: 21 Jan 2020 1:03

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
244	100		3254545		
212	7.4	7.0	10.4		
122	9.5	10.7	16.1		



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





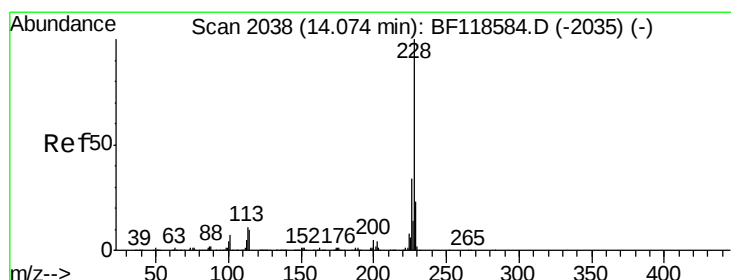
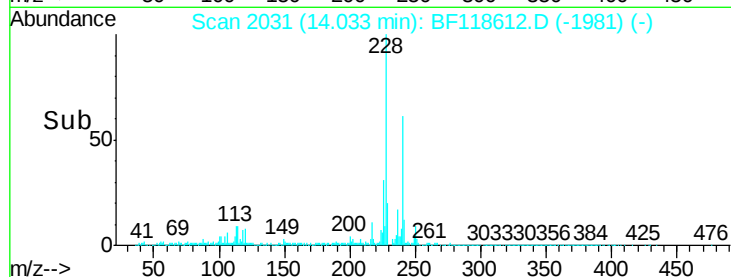
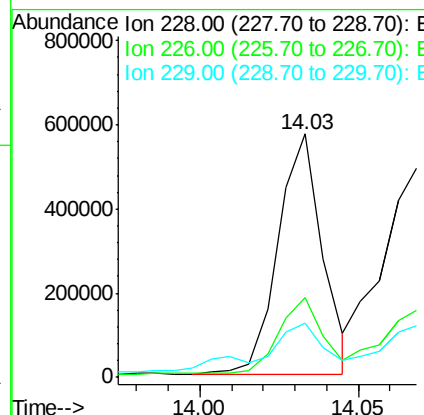
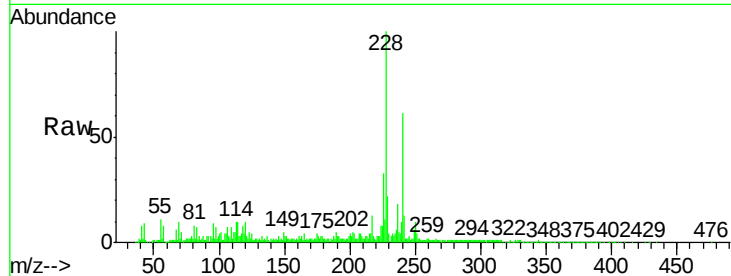
#81
Benzo(a)anthracene
Concen: 9.848 ng
RT: 14.03 min Scan# 2031
Delta R.T. -0.01 min
Lab File: BF118612.D
Acq: 21 Jan 2020 1:03

Instrument :
BNA_F
ClientSampleId :
QVD-SB-0203-0-11

Tot Ion	Ratio	Lower	Upper
228	100		
226	32.5	24.1	36.1
229	22.3	17.6	26.4

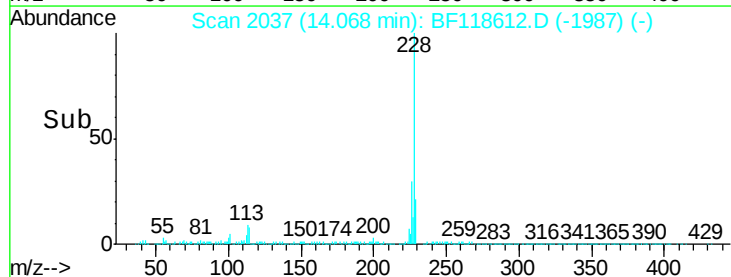
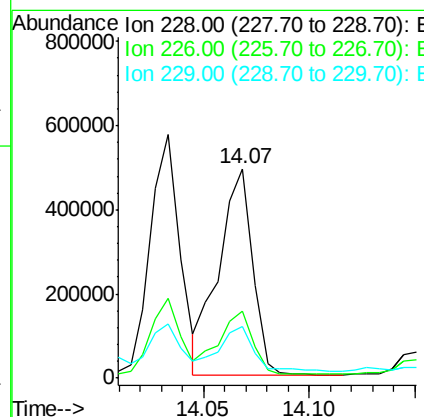
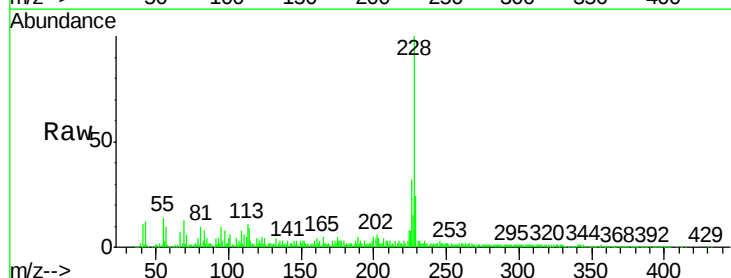
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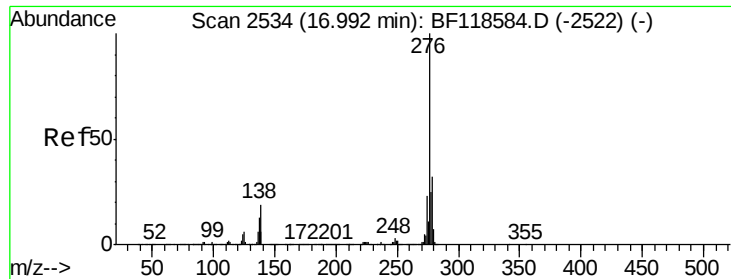
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#83
Chrysene
Concen: 10.090 ng
RT: 14.07 min Scan# 2037
Delta R.T. -0.01 min
Lab File: BF118612.D
Acq: 21 Jan 2020 1:03

Tgt Ion	Ratio	Lower	Upper
228	100		
226	32.0	27.4	41.0
229	24.4	18.3	27.5





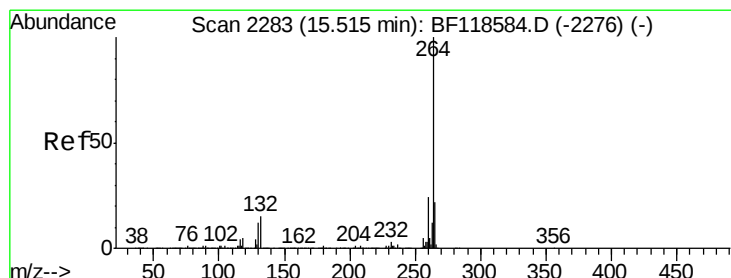
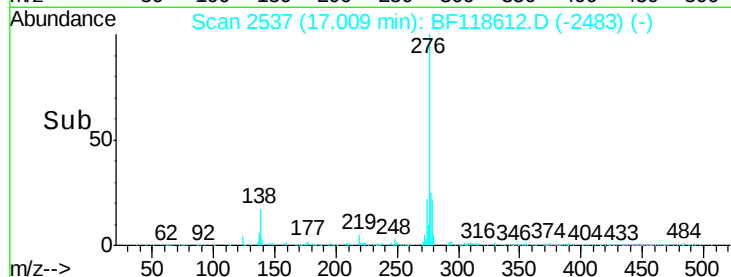
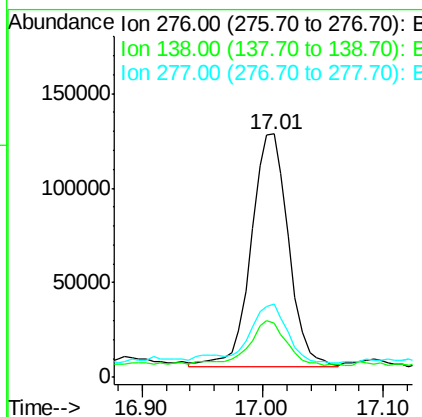
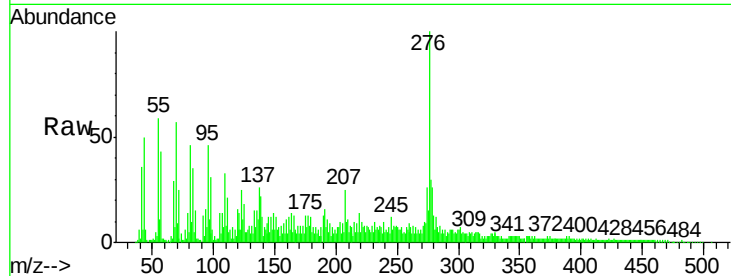
#86
Indeno(1,2,3-cd)pyrene
Concen: 5.652 ng
RT: 17.01 min Scan# 2537
Delta R.T. 0.02 min
Lab File: BF118612.D
Acq: 21 Jan 2020 1:03

Instrument :
BNA_F
ClientSampleId :
QVD-SB-0203-0-11

Tot Ion	Ratio	Lower	Upper
276	100		
138	19.4	17.2	25.8
277	24.8	20.5	30.7

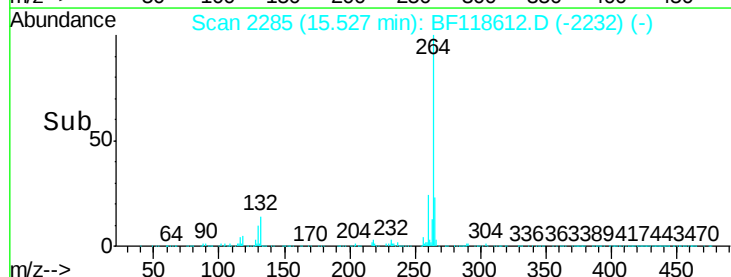
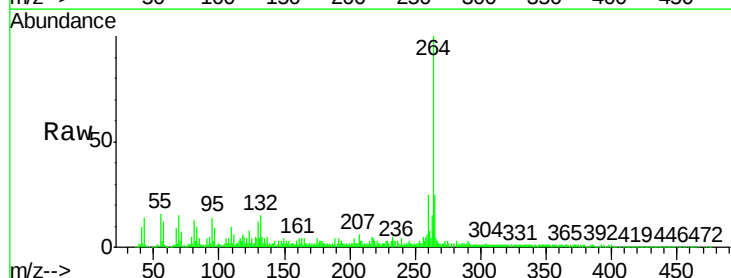
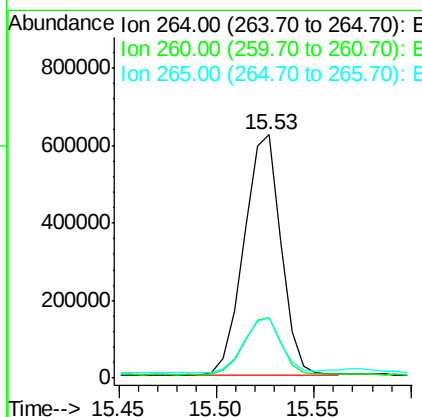
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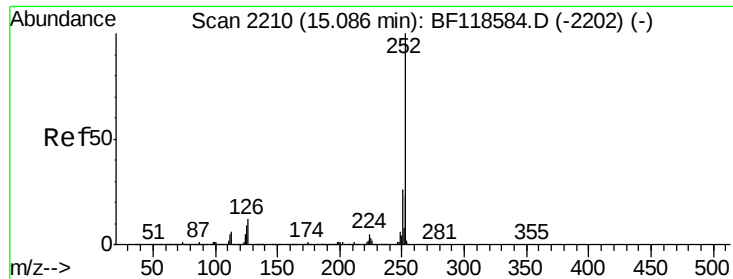
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#87
Perylene-d12
Concen: 20.000 ng
RT: 15.53 min Scan# 2285
Delta R.T. 0.01 min
Lab File: BF118612.D
Acq: 21 Jan 2020 1:03

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.9	19.6	29.4
265	24.7	17.7	26.5





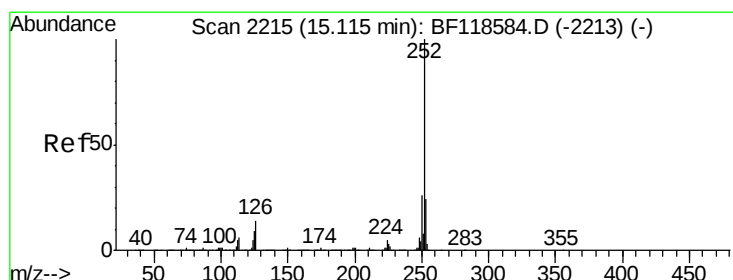
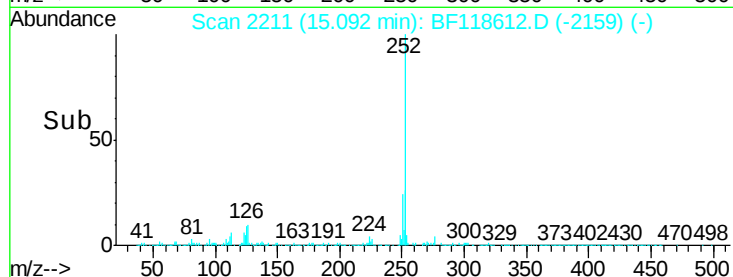
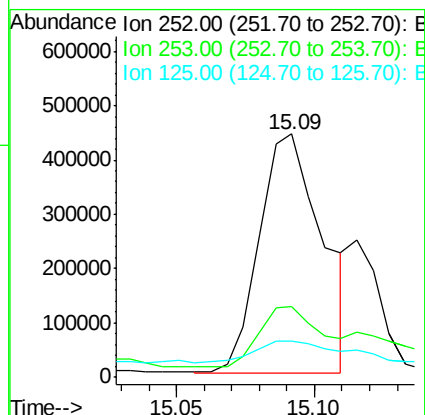
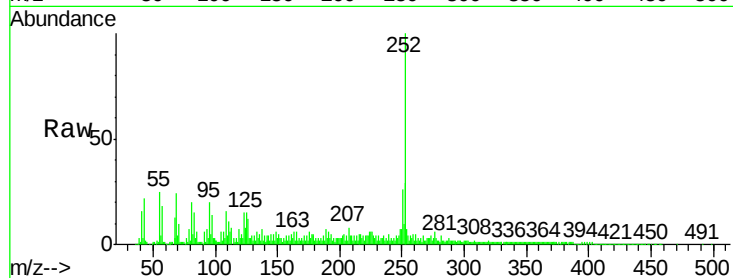
#88
Benzo(b)fluoranthene
Concen: 13.759 ng m
RT: 15.09 min Scan# 2211
Delta R.T. 0.01 min
Lab File: BF118612.D
Acq: 21 Jan 2020 1:03

Instrument :
BNA_F
ClientSampleId :
QVD-SB-0203-0-11

Tot Ion	Ion	Ratio	Resp	Lower	Upper
252	100		706875		
253	29.2	18.7		28.1#	
125	15.0	7.3		10.9#	

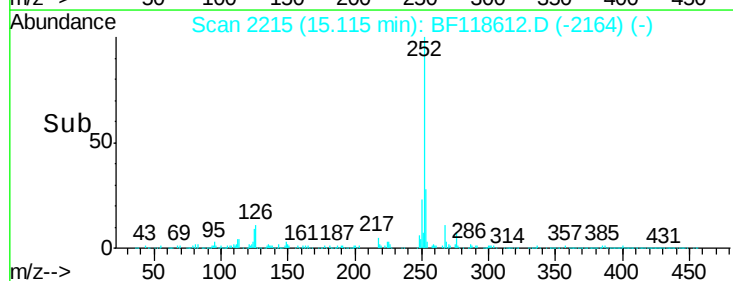
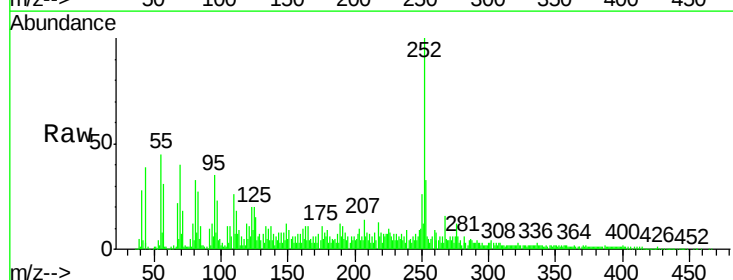
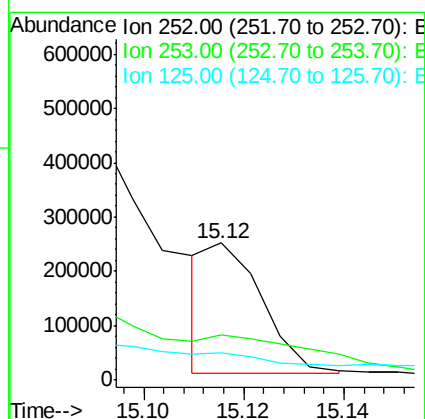
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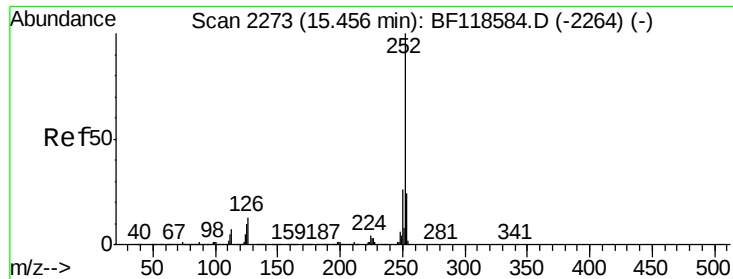
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#89
Benzo(k)fluoranthene
Concen: 3.745 ng m
RT: 15.12 min Scan# 2215
Delta R.T. 0.00 min
Lab File: BF118612.D
Acq: 21 Jan 2020 1:03

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
252	100		178225		
253	32.7	19.0		28.4#	
125	19.7	7.6		11.4#	





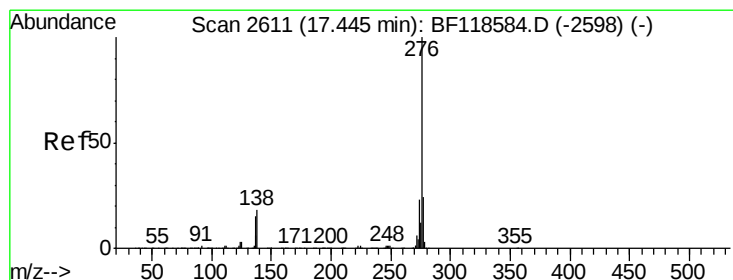
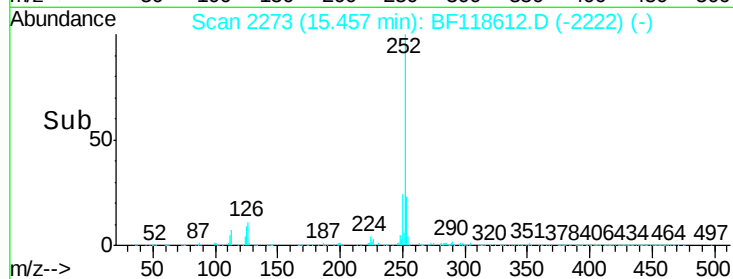
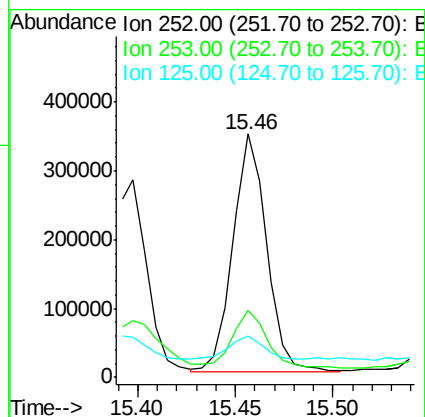
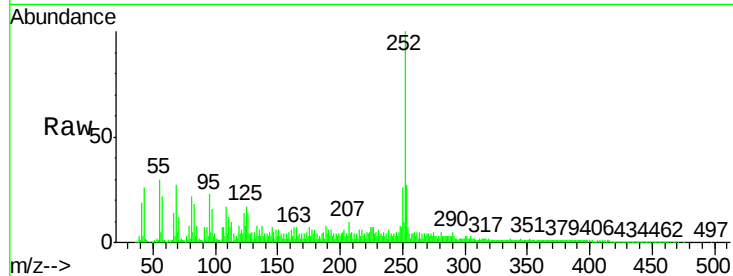
#90
Benzo(a)pyrene
Concen: 9.250 ng
RT: 15.46 min Scan# 2273
Delta R.T. 0.00 min
Lab File: BF118612.D
Acq: 21 Jan 2020 1:03

Instrument :
BNA_F
ClientSampleId :
QVD-SB-0203-0-11

Tot Ion	Ratio	Lower	Upper
252	100		
253	27.3	18.8	28.2
125	16.8	7.8	11.6

Manual Integrations
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#92
Benzo(g,h,i)perylene
Concen: 6.581 ng
RT: 17.46 min Scan# 2613
Delta R.T. 0.01 min
Lab File: BF118612.D
Acq: 21 Jan 2020 1:03

Tgt Ion	Ratio	Lower	Upper
276	100		
277	29.5	18.9	28.3
138	21.1	14.4	21.6

