

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF022020\
 Data File : BF118988.D
 Acq On : 21 Feb 2020 5:16
 Operator : CG/JU
 Sample : L1547-02
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MARCY-GREEN-BH-01-B

Manual Integrations
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Quant Time: Feb 21 06:05:34 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF022020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 20 17:40:17 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.76	152	151144	20.00	ng	0.00
21) Naphthalene-d8	8.05	136	513044	20.00	ng	0.00
39) Acenaphthene-d10	9.79	164	234346	20.00	ng	0.00
64) Phenanthrene-d10	11.27	188	394926	20.00	ng	0.00
76) Chrysene-d12	13.92	240	364661	20.00	ng	0.00
87) Perylene-d12	15.34	264	290206	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.39	112	822790	90.97	ng	0.00
7) Phenol-d6	6.40	99	1025590	93.24	ng	0.00
23) Nitrobenzene-d5	7.32	82	644056	66.28	ng	0.00
42) 2,4,6-Tribromophenol	10.58	330	209195	68.24	ng	0.00
45) 2-Fluorobiphenyl	9.12	172	1175801	73.91	ng	0.00
79) Terphenyl-d14	12.86	244	1257458	59.37	ng	0.00
Target Compounds						
50) Dimethylphthalate	9.51	163	36188	2.019	ng	99
71) Phenanthrene	11.30	178	90722	4.212	ng	98
75) Fluoranthene	12.49	202	214256	9.372	ng	99
78) Pyrene	12.72	202	196981	6.727	ng	99
81) Benzo(a)anthracene	13.90	228	112216	4.516	ng	97
83) Chrysene	13.94	228	93228	3.766	ng	97
88) Benzo(b)fluoranthene	14.93	252	106280m	5.556	ng	
89) Benzo(k)fluoranthene	14.96	252	39495m	2.228	ng	
90) Benzo(a)pyrene	15.29	252	73783	4.274	ng	# 91
92) Benzo(g,h,i)perylene	17.18	276	42443	2.828	ng	91

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

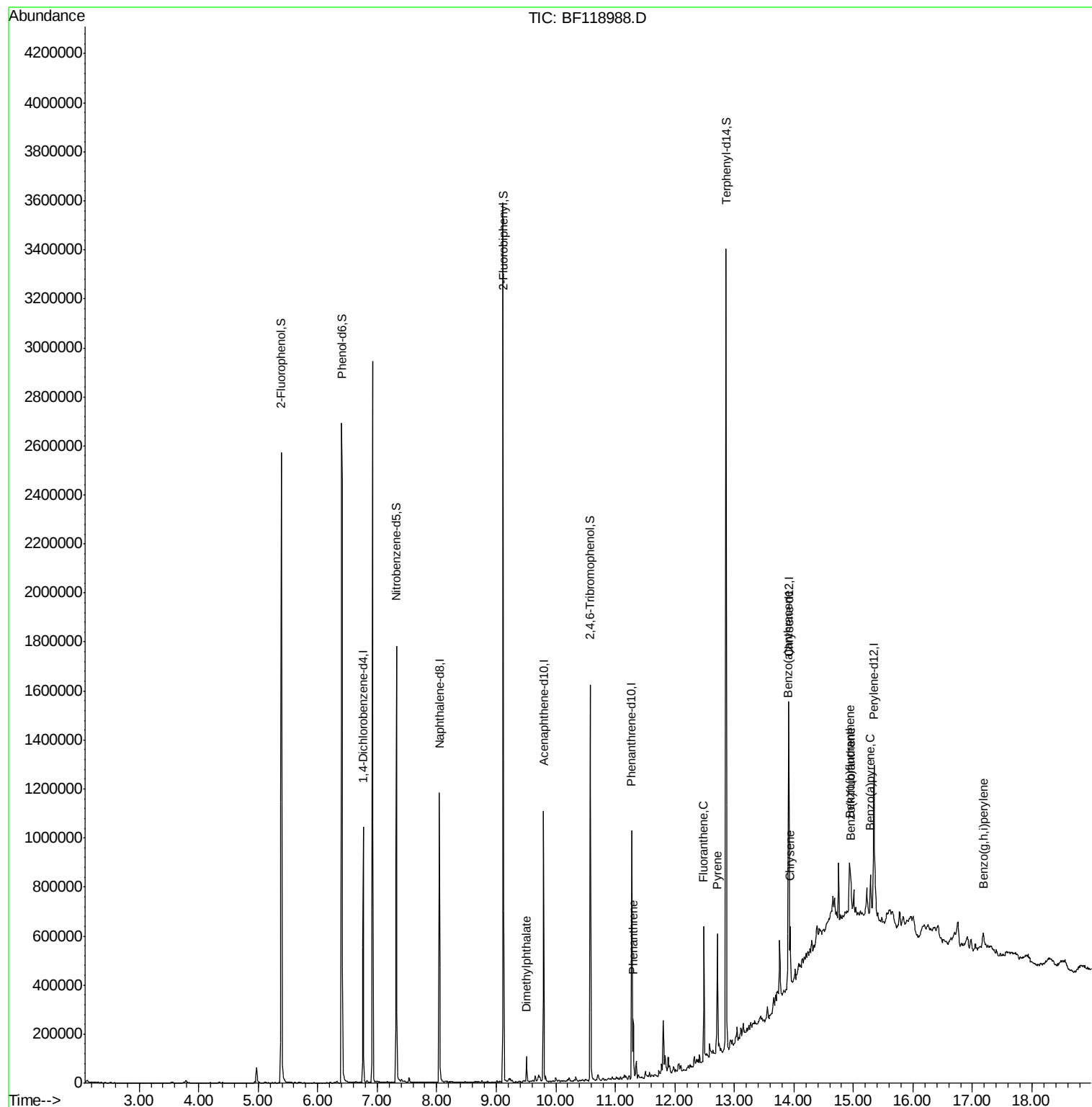
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF022020\
Data File : BF118988.D
Acq On : 21 Feb 2020 5:16
Operator : CG/JU
Sample : L1547-02
Misc :
ALS Vial : 24 Sample Multiplier: 1

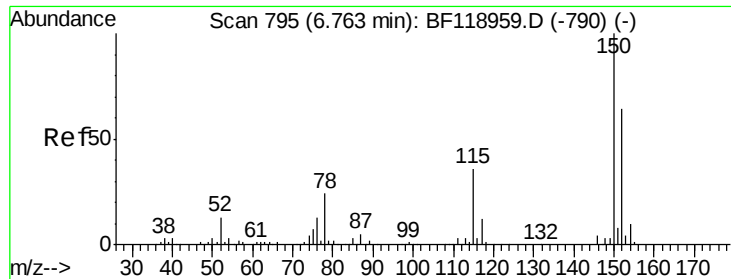
Instrument :
BNA_F
ClientSampleId :
MARCY-GREEN-BH-01-B

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#1

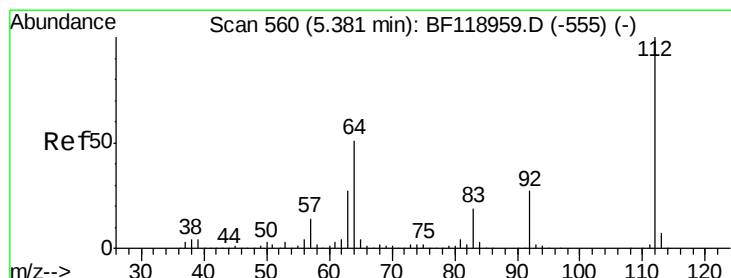
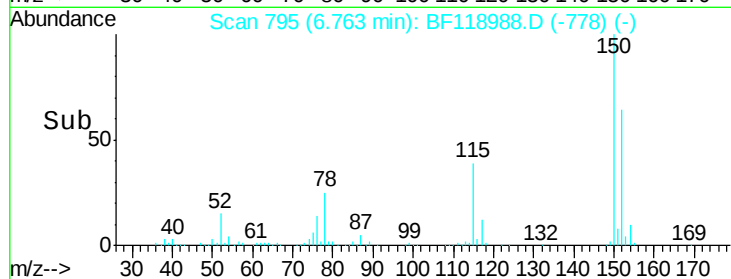
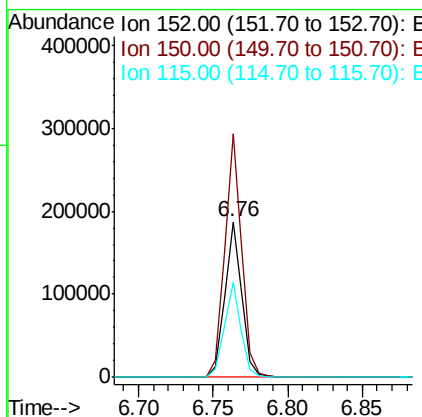
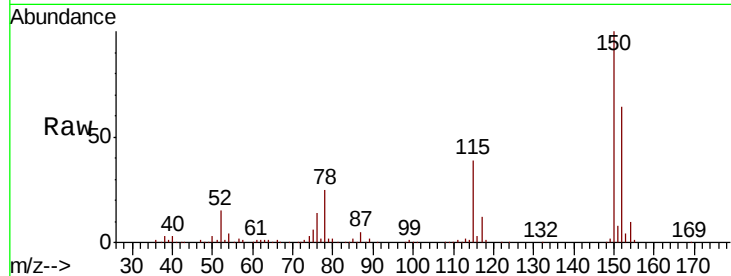
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.76 min Scan# 795
Delta R.T. -0.00 min
Lab File: BF118988.D
Acq: 21 Feb 2020 5:16

Instrument :
BNA_F
ClientSampleId :
MARCY-GREEN-BH-01-B

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.4	124.3	186.5
115	61.4	44.6	67.0

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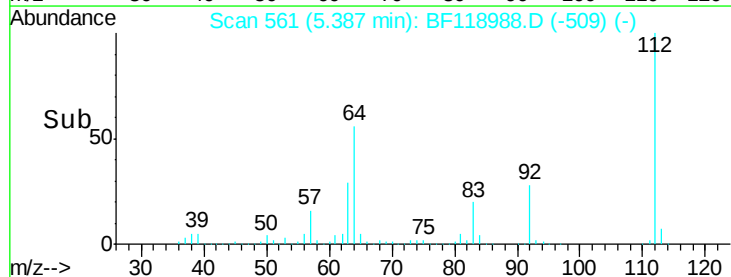
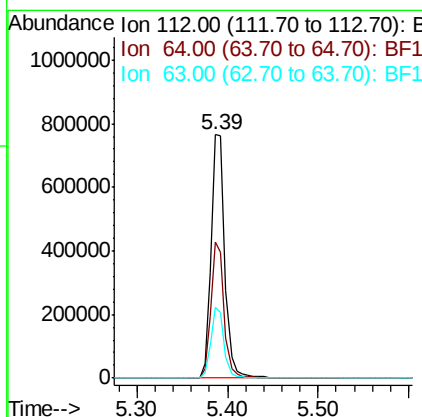
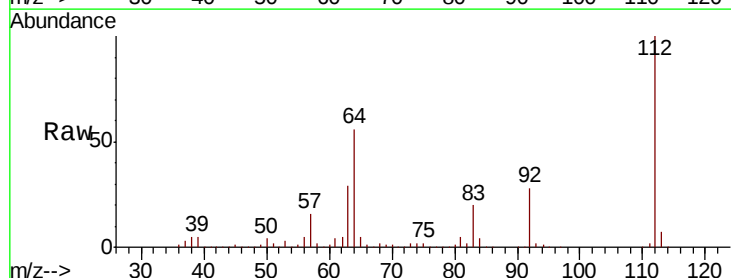
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#5

2-Fluorophenol
Concen: 90.975 ng
RT: 5.39 min Scan# 561
Delta R.T. 0.01 min
Lab File: BF118988.D
Acq: 21 Feb 2020 5:16

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.1	40.4	60.6
63	28.9	21.3	31.9





#7

Phenol-d6

Concen: 93.241 ng

RT: 6.40 min Scan# 734

Delta R.T. -0.00 min

Lab File: BF118988.D

Acq: 21 Feb 2020 5:16

Instrument :

BNA_F

ClientSampleId :

MARCY-GREEN-BH-01-B

Tot Ion: 99 Resp: 1025590

Ion Ratio Lower Upper

99 100

42 15.0 11.4 17.0

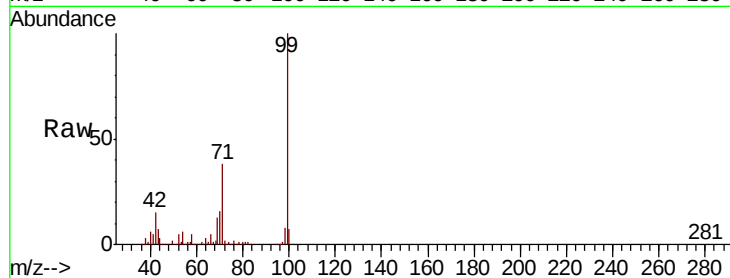
71 38.0 29.8 44.6

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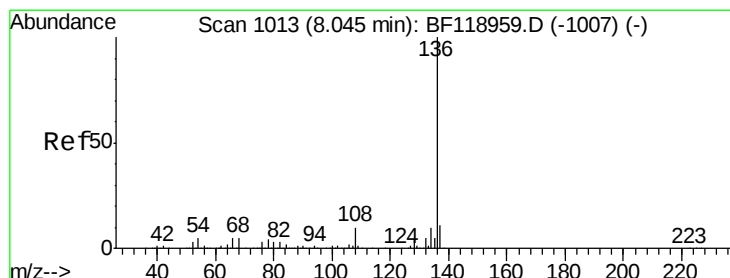
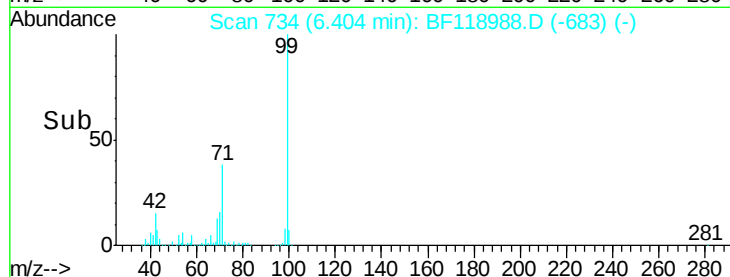
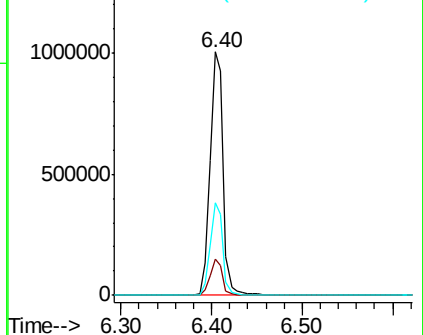
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Abundance Ion 99.00 (98.70 to 99.70): BF1

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: 8.05 min Scan# 1013

Delta R.T. -0.00 min

Lab File: BF118988.D

Acq: 21 Feb 2020 5:16

Tgt Ion: 136 Resp: 513044

Ion Ratio Lower Upper

136 100

137 10.9 8.9 13.3

54 4.9 3.8 5.6

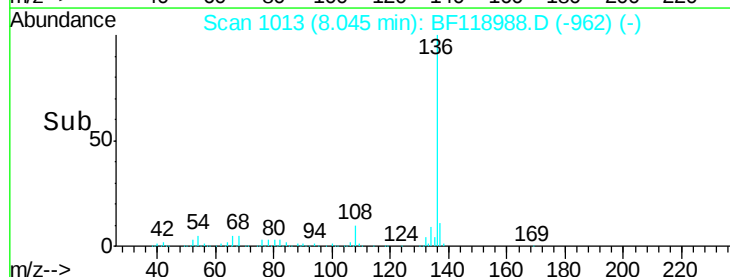
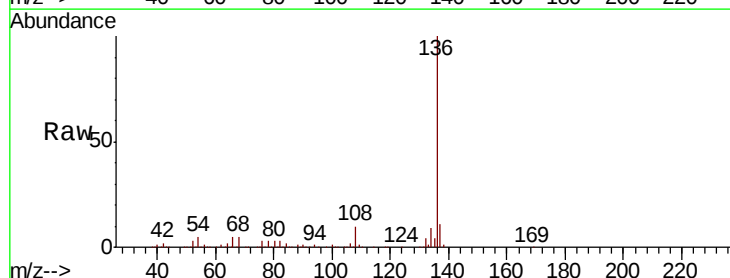
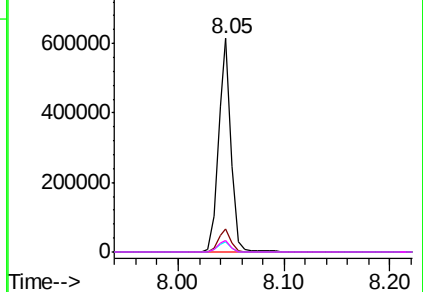
68 5.4 4.2 6.2

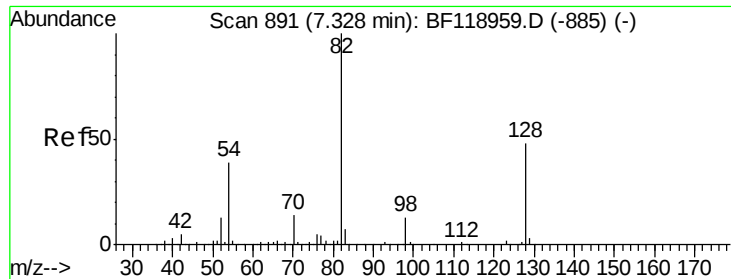
Abundance Ion 136.00 (135.70 to 136.70): E

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





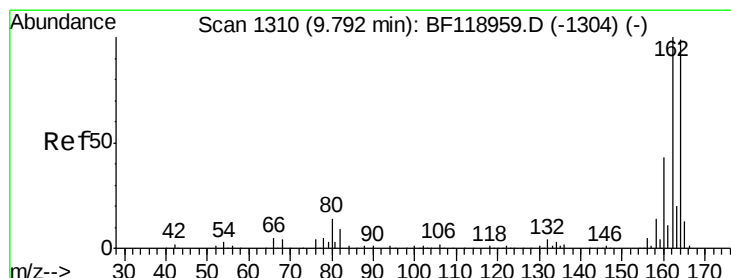
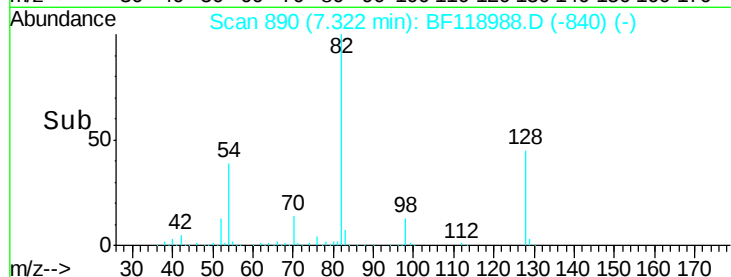
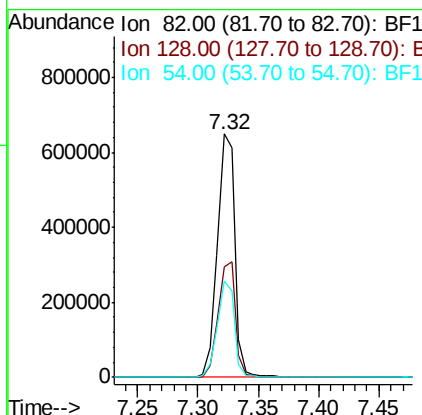
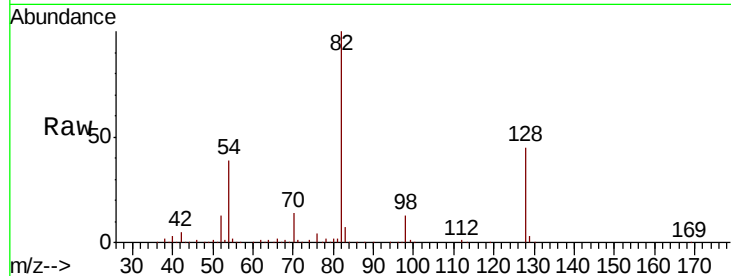
#23
 Nitrobenzene-d5
 Concen: 66.283 ng
 RT: 7.32 min Scan# 890
 Delta R.T. -0.01 min
 Lab File: BF118988.D
 Acq: 21 Feb 2020 5:16

Instrument :
 BNA_F
 ClientSampleId :
 MARCY-GREEN-BH-01-B

Tot Ion	Ratio	Lower	Upper
82	100		
128	45.3	38.2	57.2
54	39.4	31.3	46.9

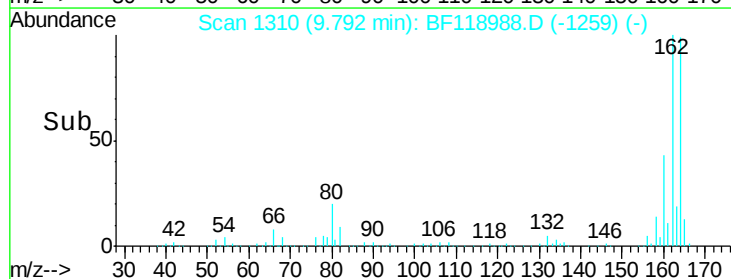
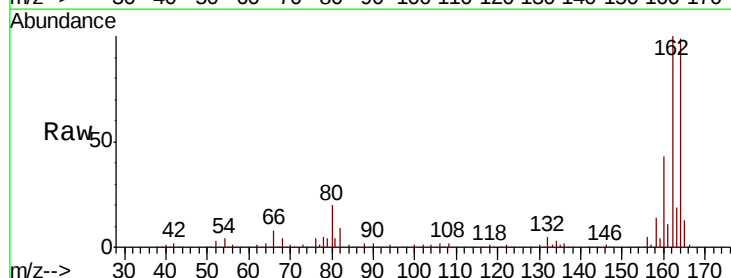
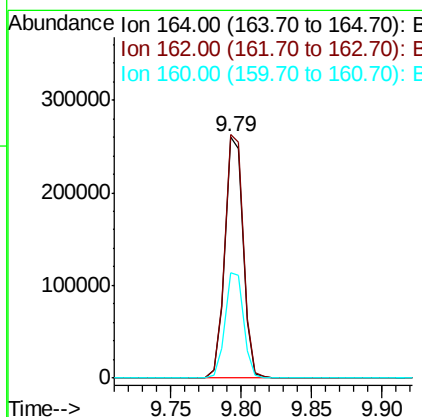
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#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.79 min Scan# 1310
 Delta R.T. -0.00 min
 Lab File: BF118988.D
 Acq: 21 Feb 2020 5:16

Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.0	81.2	121.8
160	43.8	35.2	52.8





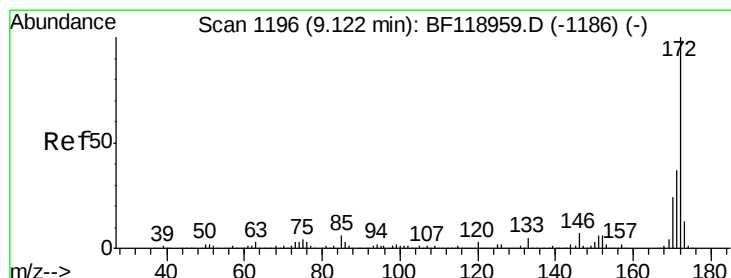
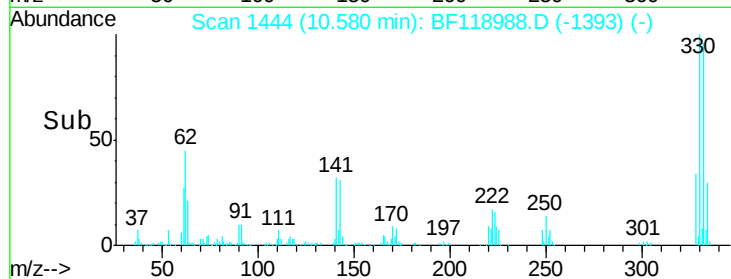
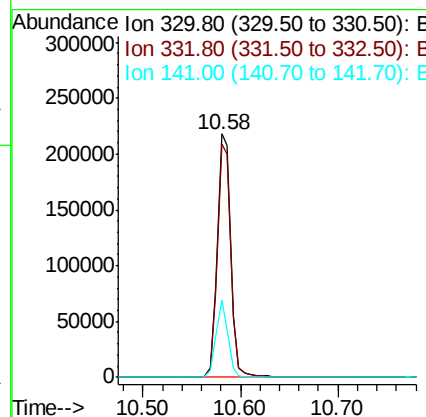
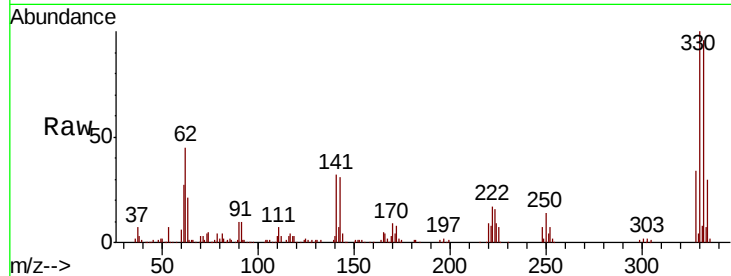
#42
 2,4,6-Tribromophenol
 Concen: 68.239 ng
 RT: 10.58 min Scan# 1444
 Delta R.T. -0.00 min
 Lab File: BF118988.D
 Acq: 21 Feb 2020 5:16

Instrument :
 BNA_F
 ClientSampleId :
 MARCY-GREEN-BH-01-B

Tot Ion	Ratio	Resp	Lower	Upper
330	100	209195		
332	96.1		77.1	115.7
141	28.4		23.0	34.6

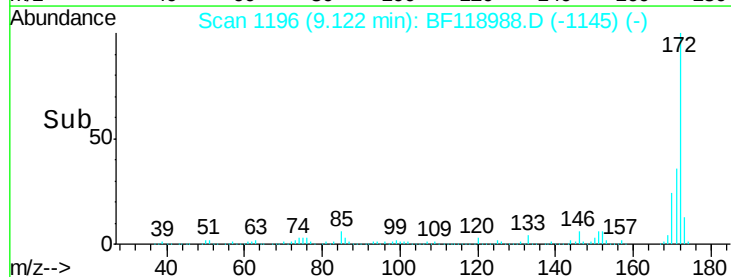
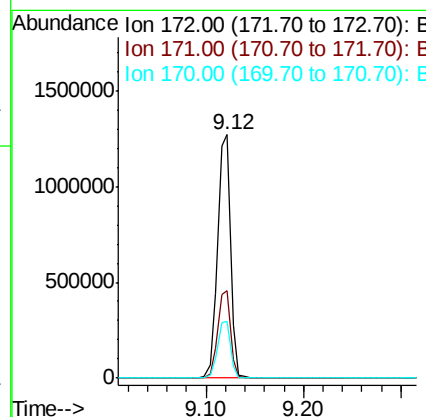
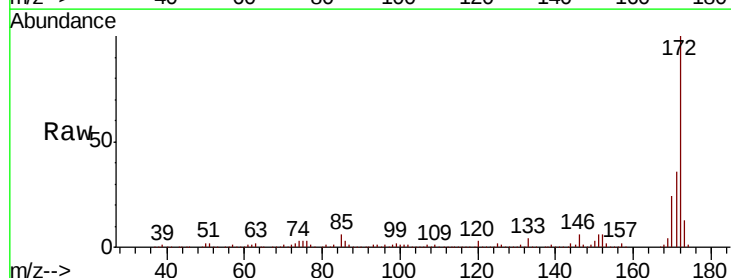
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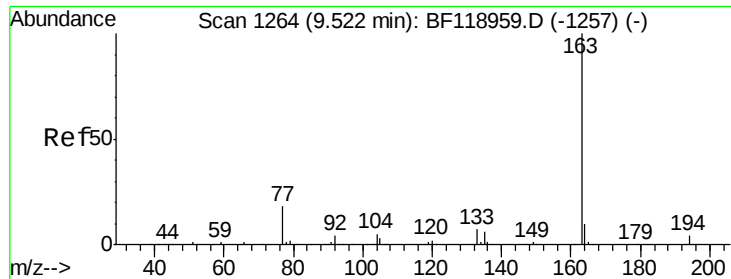
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#45
 2-Fluorobiphenyl
 Concen: 73.915 ng
 RT: 9.12 min Scan# 1196
 Delta R.T. 0.00 min
 Lab File: BF118988.D
 Acq: 21 Feb 2020 5:16

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1175801		
171	36.1		29.4	44.2
170	23.6		19.6	29.4





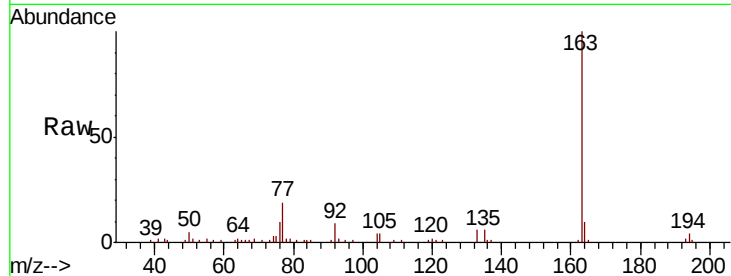
#50
Dimethylphthalate
Concen: 2.019 ng
RT: 9.51 min Scan# 1262
Delta R.T. -0.01 min
Lab File: BF118988.D
Acq: 21 Feb 2020 5:16

Instrument :
BNA_F
ClientSampleId :
MARCY-GREEN-BH-01-B

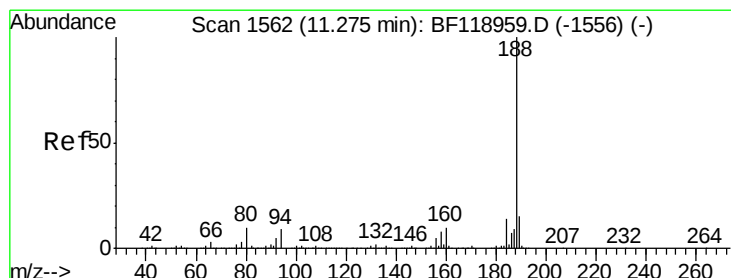
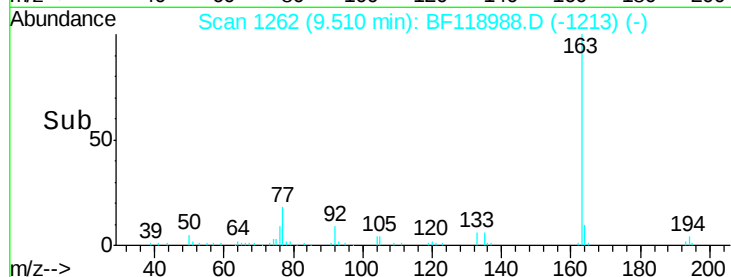
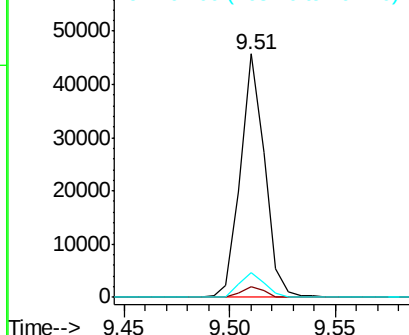
Tot Ion	Ratio	Resp	Lower	Upper
163	100			
194	4.5	3.4	5.2	
164	9.9	8.2	12.2	

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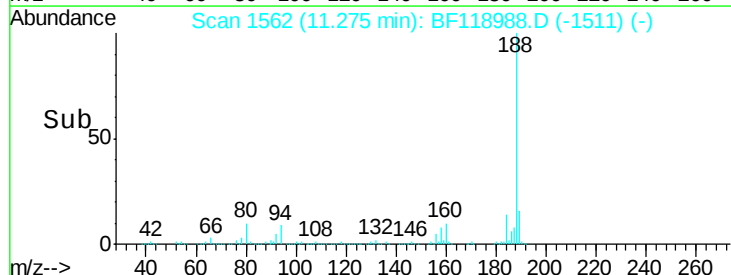
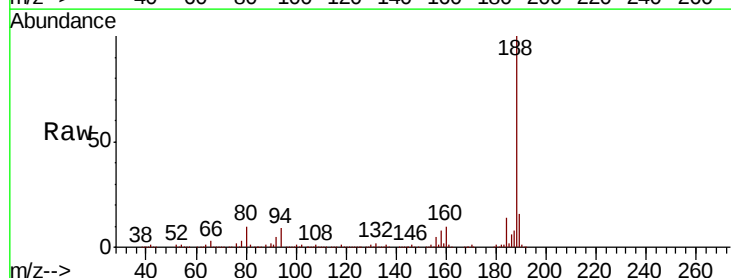
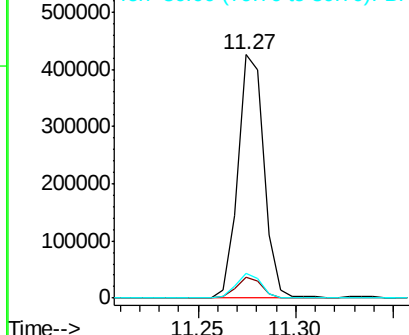
Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

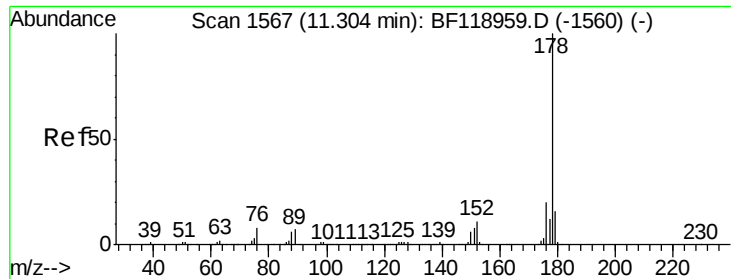


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.27 min Scan# 1562
Delta R.T. -0.00 min
Lab File: BF118988.D
Acq: 21 Feb 2020 5:16

Tgt Ion	Ratio	Resp	Lower	Upper
188	100			
94	8.8	7.0	10.6	
80	10.2	7.9	11.9	

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





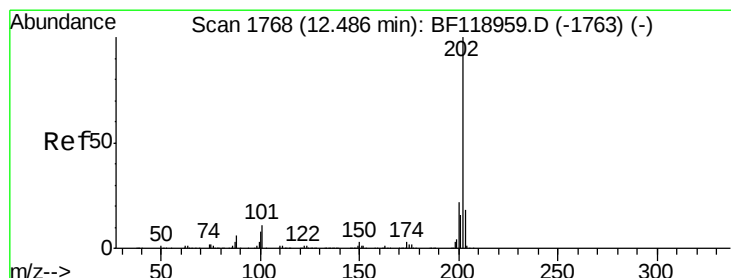
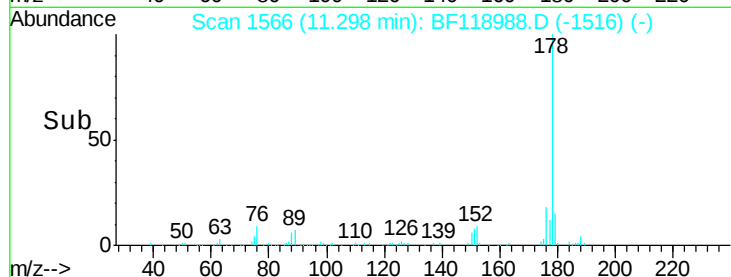
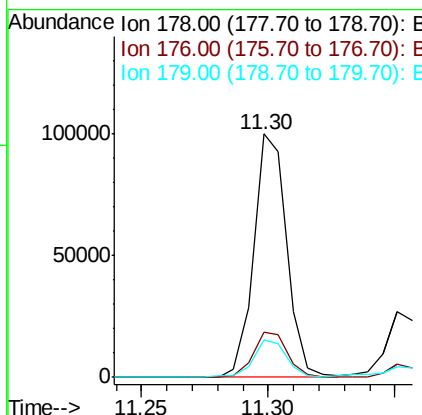
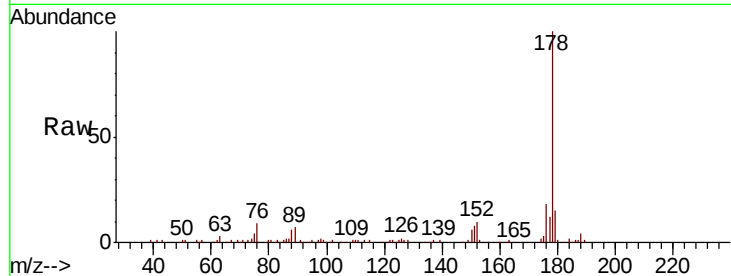
#71
Phenanthrene
Concen: 4.212 ng
RT: 11.30 min Scan# 1566
Delta R.T. -0.01 min
Lab File: BF118988.D
Acq: 21 Feb 2020 5:16

Instrument :
BNA_F
ClientSampleId :
MARCY-GREEN-BH-01-B

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.5	15.6	23.4
179	15.2	12.6	18.8

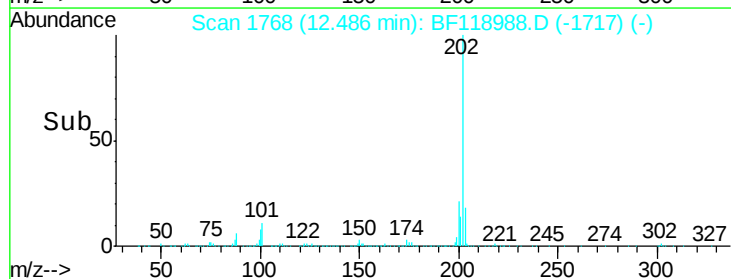
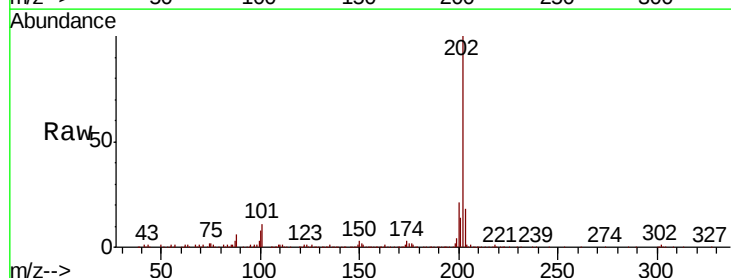
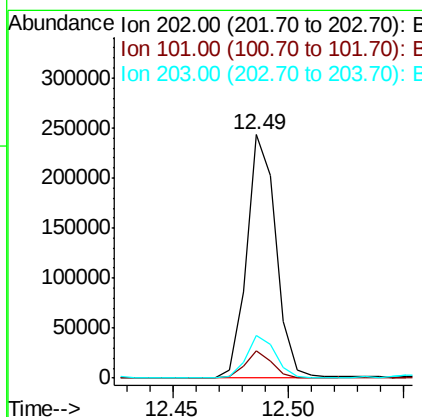
Manual Integrations
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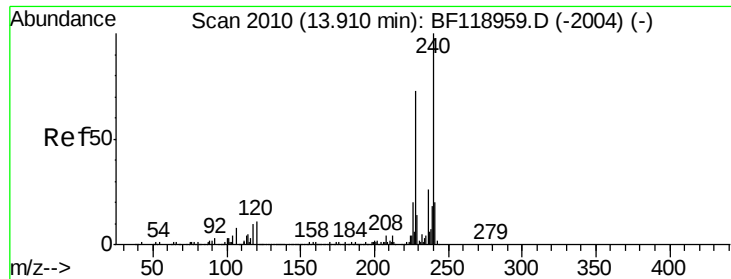
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#75
Fluoranthene
Concen: 9.372 ng
RT: 12.49 min Scan# 1768
Delta R.T. -0.00 min
Lab File: BF118988.D
Acq: 21 Feb 2020 5:16

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.1	0.0	31.1
203	17.7	0.0	38.1





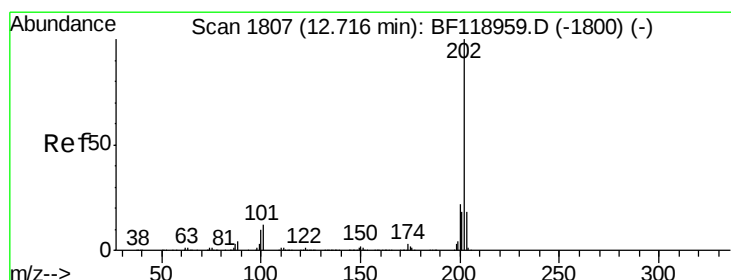
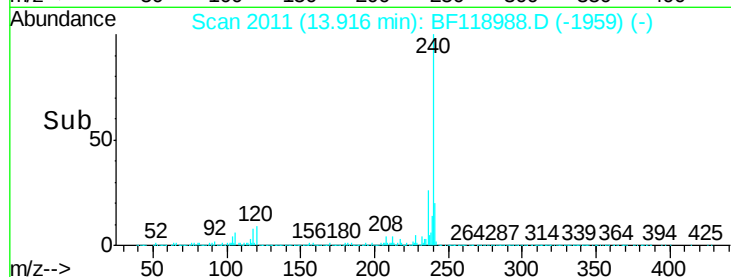
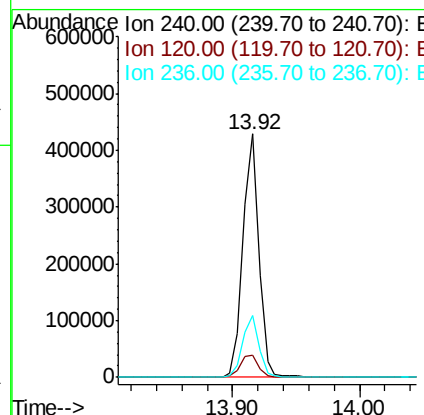
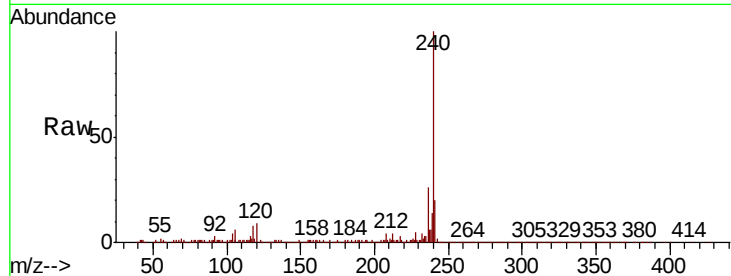
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.92 min Scan# 2011
Delta R.T. 0.01 min
Lab File: BF118988.D
Acq: 21 Feb 2020 5:16

Instrument :
BNA_F
ClientSampleId :
MARCY-GREEN-BH-01-B

Tot Ion	Ratio	Resp	Lower	Upper
240	100			
120	9.3	8.9	13.3	
236	25.7	20.6	30.8	

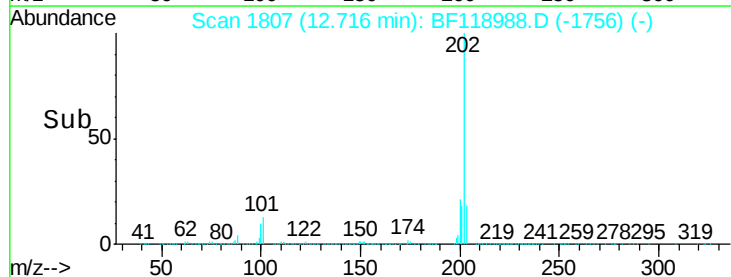
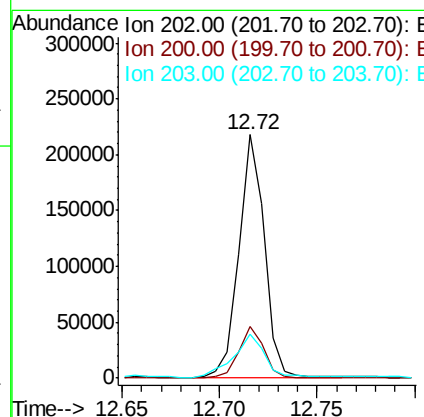
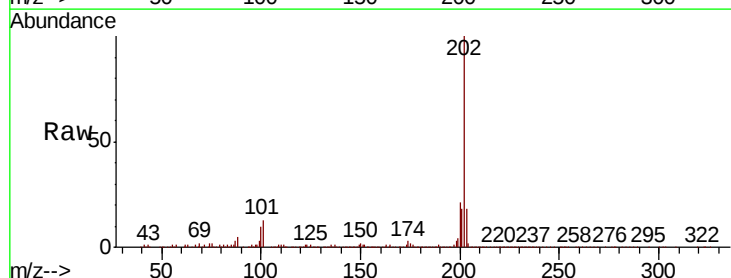
Manual Integrations
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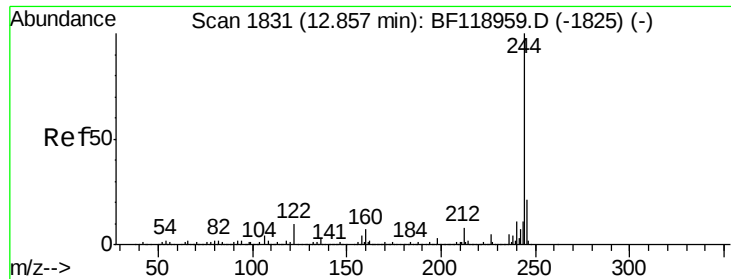
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#78
Pyrene
Concen: 6.727 ng
RT: 12.72 min Scan# 1807
Delta R.T. -0.00 min
Lab File: BF118988.D
Acq: 21 Feb 2020 5:16

Tgt Ion	Ratio	Resp	Lower	Upper
202	100			
200	21.4	17.4	26.0	
203	18.3	14.5	21.7	





#79

Terphenyl-d14

Concen: 59.368 ng

RT: 12.86 min Scan# 1832

Delta R.T. 0.01 min

Lab File: BF118988.D

Acq: 21 Feb 2020 5:16

Instrument :

BNA_F

ClientSampleId :

MARCY-GREEN-BH-01-B

Tot Ion:244 Resp: 1257458

Ion Ratio Lower Upper

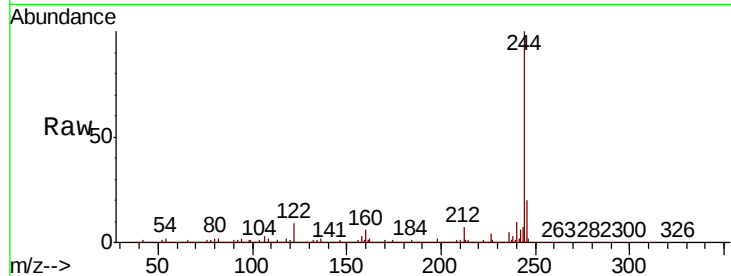
244 100

212 6.6 6.3 9.5

122 8.8 8.4 12.6

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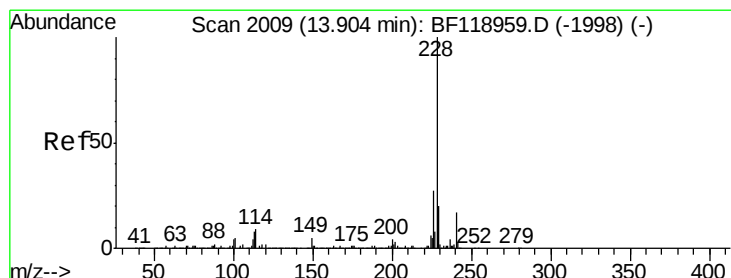
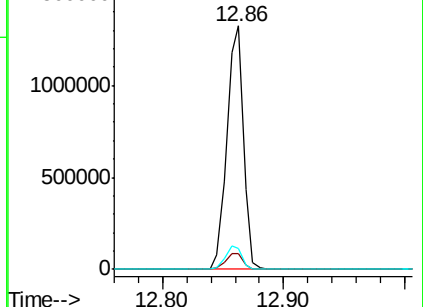
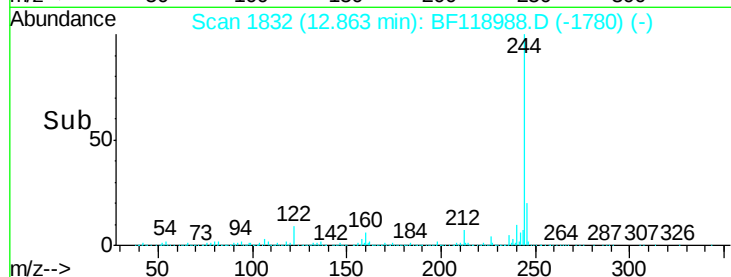
mohammad
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Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#81

Benzo(a)anthracene

Concen: 4.516 ng

RT: 13.90 min Scan# 2009

Delta R.T. -0.00 min

Lab File: BF118988.D

Acq: 21 Feb 2020 5:16

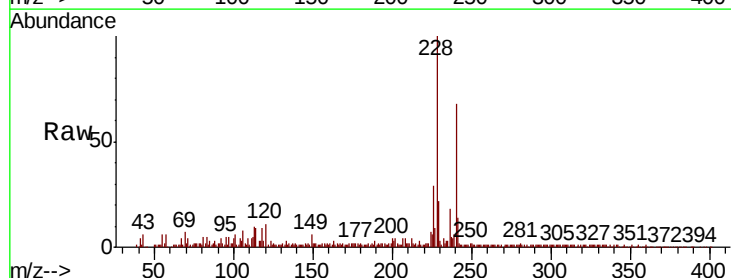
Tgt Ion:228 Resp: 112216

Ion Ratio Lower Upper

228 100

226 28.5 21.8 32.8

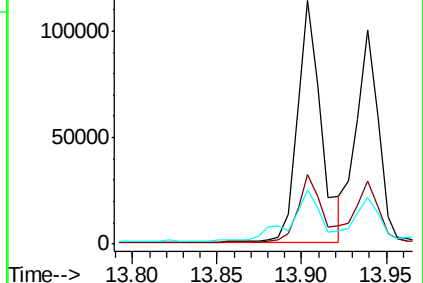
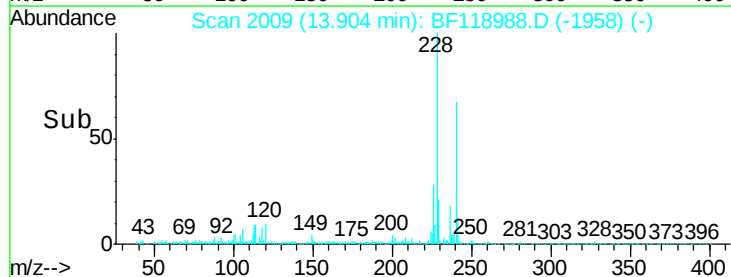
229 22.1 16.0 24.0

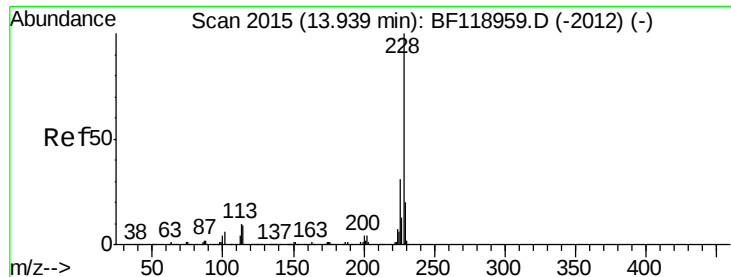


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





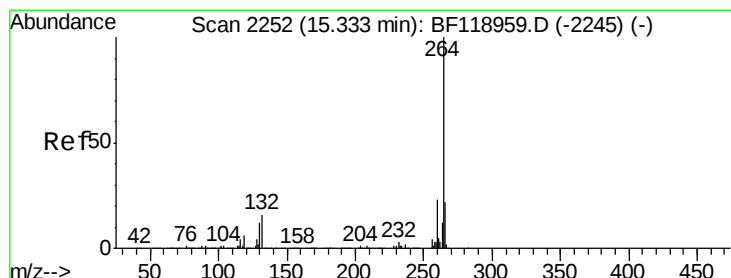
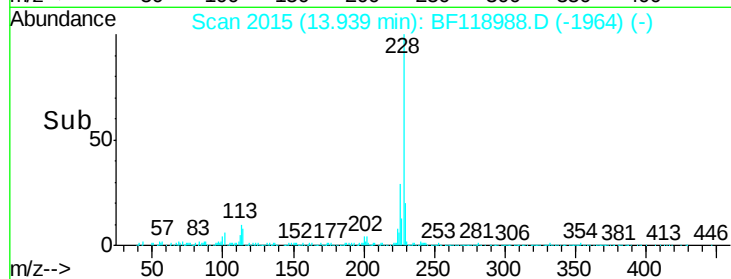
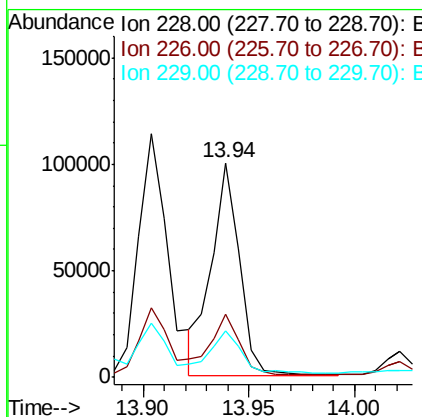
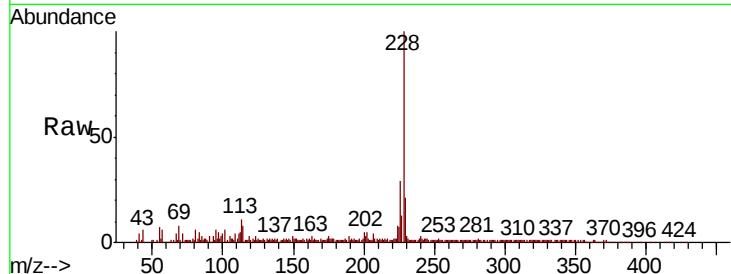
#83
Chrysene
Concen: 3.766 ng
RT: 13.94 min Scan# 2015
Delta R.T. -0.00 min
Lab File: BF118988.D
Acq: 21 Feb 2020 5:16

Instrument :
BNA_F
ClientSampleId :
MARCY-GREEN-BH-01-B

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.4	24.6	37.0
229	21.5	16.2	24.2

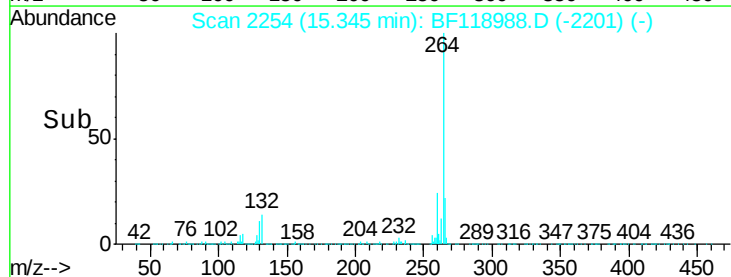
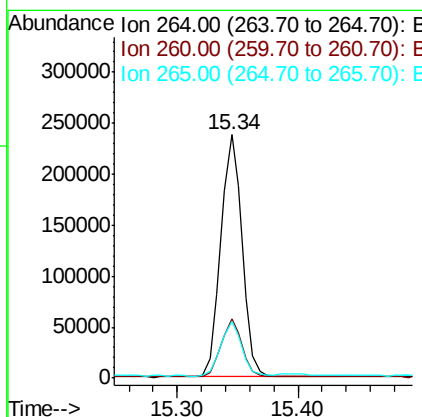
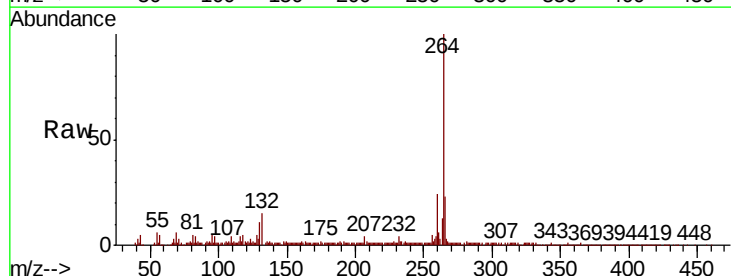
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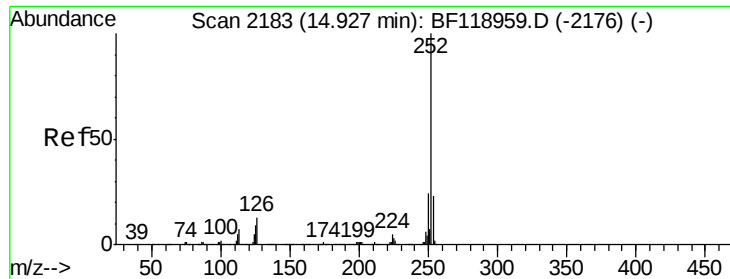
mohammad
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#87
Perylene-d12
Concen: 20.000 ng
RT: 15.34 min Scan# 2254
Delta R.T. 0.01 min
Lab File: BF118988.D
Acq: 21 Feb 2020 5:16

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.1	18.6	28.0
265	23.1	17.3	25.9





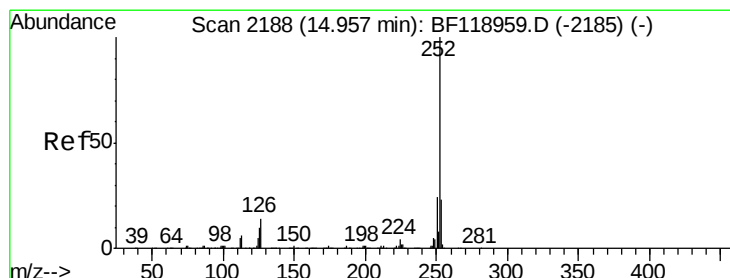
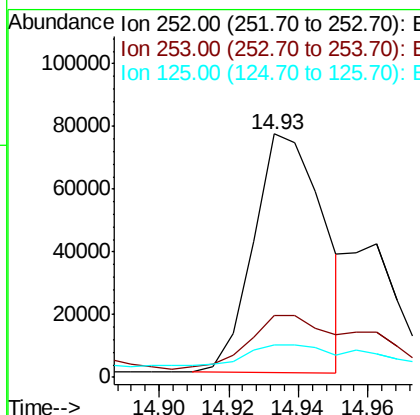
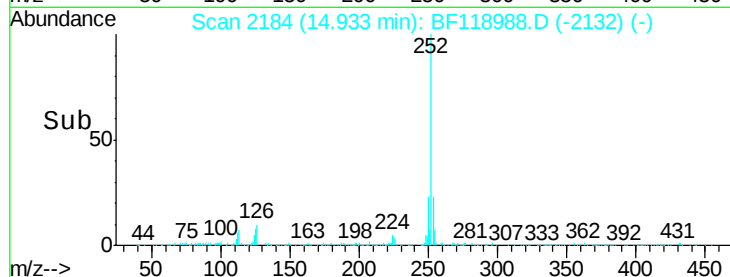
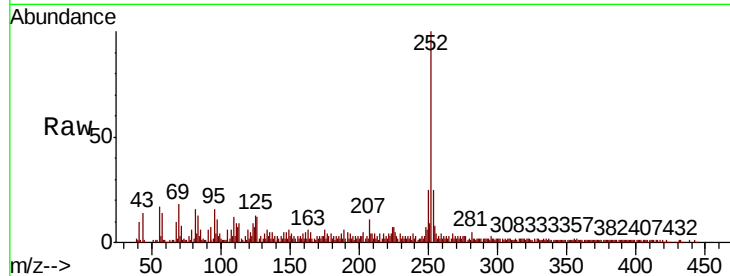
#88
Benzo(b)fluoranthene
Concen: 5.556 ng m
RT: 14.93 min Scan# 2184
Delta R.T. 0.01 min
Lab File: BF118988.D
Acq: 21 Feb 2020 5:16

Instrument :
BNA_F
ClientSampleId :
MARCY-GREEN-BH-01-B

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.3	18.2	27.2
125	13.3	7.4	11.0

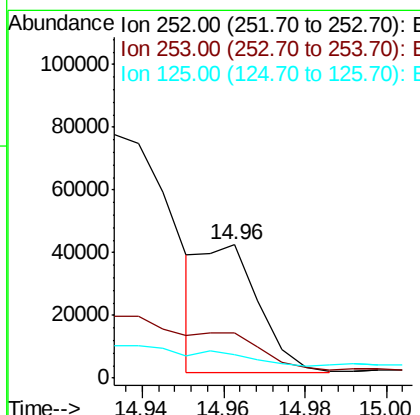
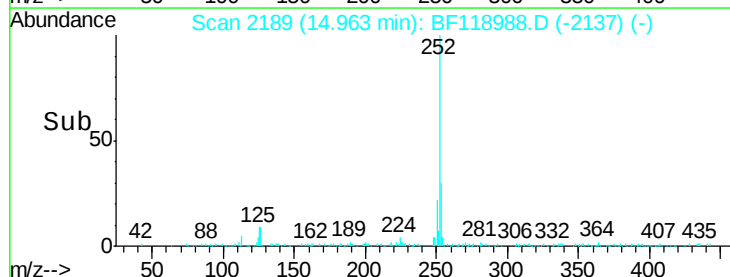
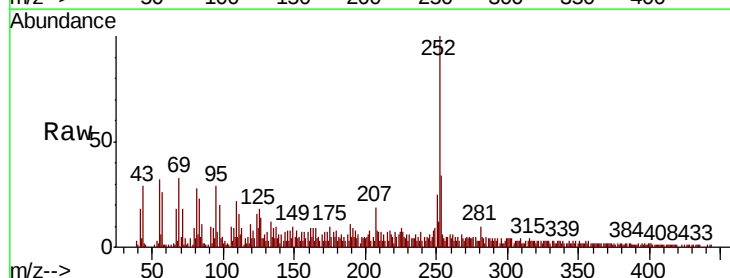
Manual Integrations
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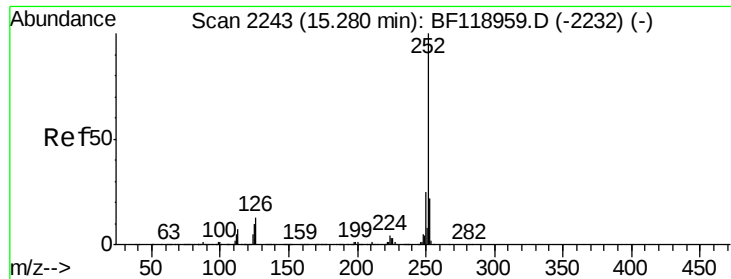
mohammad
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#89
Benzo(k)fluoranthene
Concen: 2.228 ng m
RT: 14.96 min Scan# 2189
Delta R.T. 0.01 min
Lab File: BF118988.D
Acq: 21 Feb 2020 5:16

Tgt Ion	Ratio	Lower	Upper
252	100		
253	33.6	17.9	26.9
125	17.9	7.3	10.9





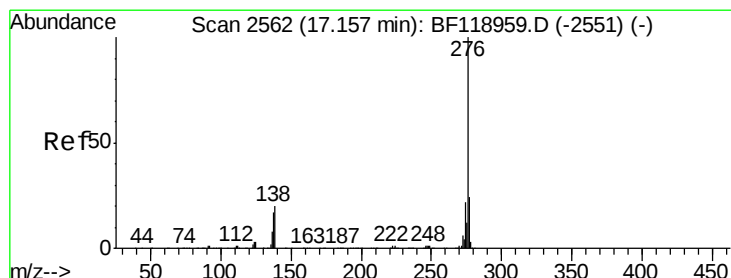
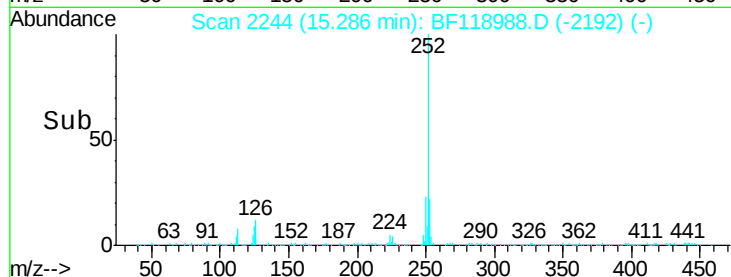
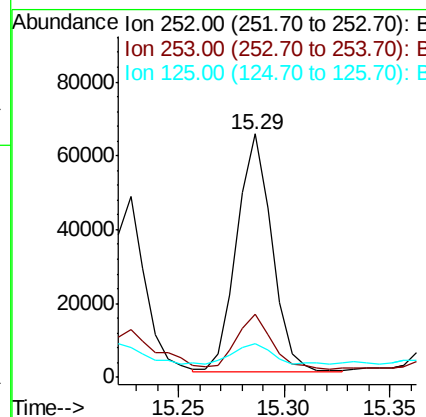
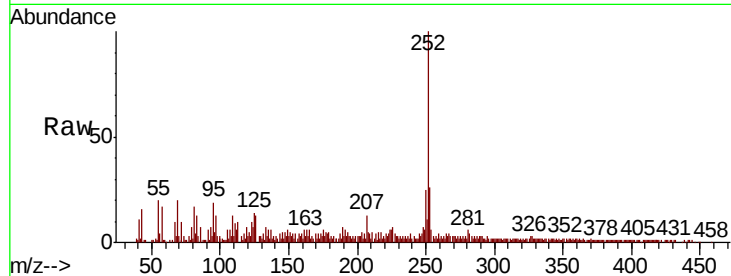
#90
Benzo(a)pyrene
Concen: 4.274 ng
RT: 15.29 min Scan# 2244
Delta R.T. 0.01 min
Lab File: BF118988.D
Acq: 21 Feb 2020 5:16

Instrument :
BNA_F
ClientSampleId :
MARCY-GREEN-BH-01-B

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.8	17.9	26.9
125	14.0	7.8	11.6

Manual Integrations
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2/21/2020 2:19:19 PM



#92
Benzo(g,h,i)perylene
Concen: 2.828 ng
RT: 17.18 min Scan# 2566
Delta R.T. 0.02 min
Lab File: BF118988.D
Acq: 21 Feb 2020 5:16

Tgt Ion	Ratio	Lower	Upper
276	100		
277	28.7	19.2	28.8
138	24.1	16.2	24.4

