

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092220\
 Data File : BF121662.D
 Acq On : 23 Sep 2020 2:33
 Operator : JU/CG
 Sample : L4100-02
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 024

Manual Integrations
 APPROVED

mohammad
 9/23/2020 10:43:33 AM

Quant Time: Sep 23 05:44:03 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 22 17:53:26 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	161307	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	632871	20.00	ng	0.00
39) Acenaphthene-d10	9.85	164	325569	20.00	ng	0.00
64) Phenanthrene-d10	11.33	188	574202	20.00	ng	0.00
76) Chrysene-d12	13.97	240	349301	20.00	ng	-0.01
86) Perylene-d12	15.43	264	322148	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.43	112	1001338	92.25	ng	0.00
7) Phenol-d6	6.45	99	1309617	91.97	ng	0.00
23) Nitrobenzene-d5	7.37	82	897094	76.11	ng	0.00
42) 2,4,6-Tribromophenol	10.64	330	405721	100.27	ng	0.00
45) 2-Fluorobiphenyl	9.17	172	1534779	71.40	ng	0.00
79) Terphenyl-d14	12.92	244	1391720	80.72	ng	0.00
Target Compounds						
50) Dimethylphthalate	9.56	163	280898	11.904	ng	Qvalue 100
71) Phenanthrene	11.36	178	115000	3.676	ng	99
75) Fluoranthene	12.54	202	192451	5.763	ng	99
78) Pyrene	12.77	202	180840	7.086	ng	97
81) Benzo(a)anthracene	13.96	228	75913	3.435	ng	96
83) Chrysene	14.00	228	76787	3.431	ng	96
87) Indeno(1,2,3-cd)pyrene	16.86	276	43604	2.078	ng	96
88) Benzo(b)fluoranthene	15.00	252	87696m	4.072	ng	
90) Benzo(a)pyrene	15.36	252	60602	3.310	ng	# 94
92) Benzo(g,h,i)perylene	17.29	276	43706	2.546	ng	97

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

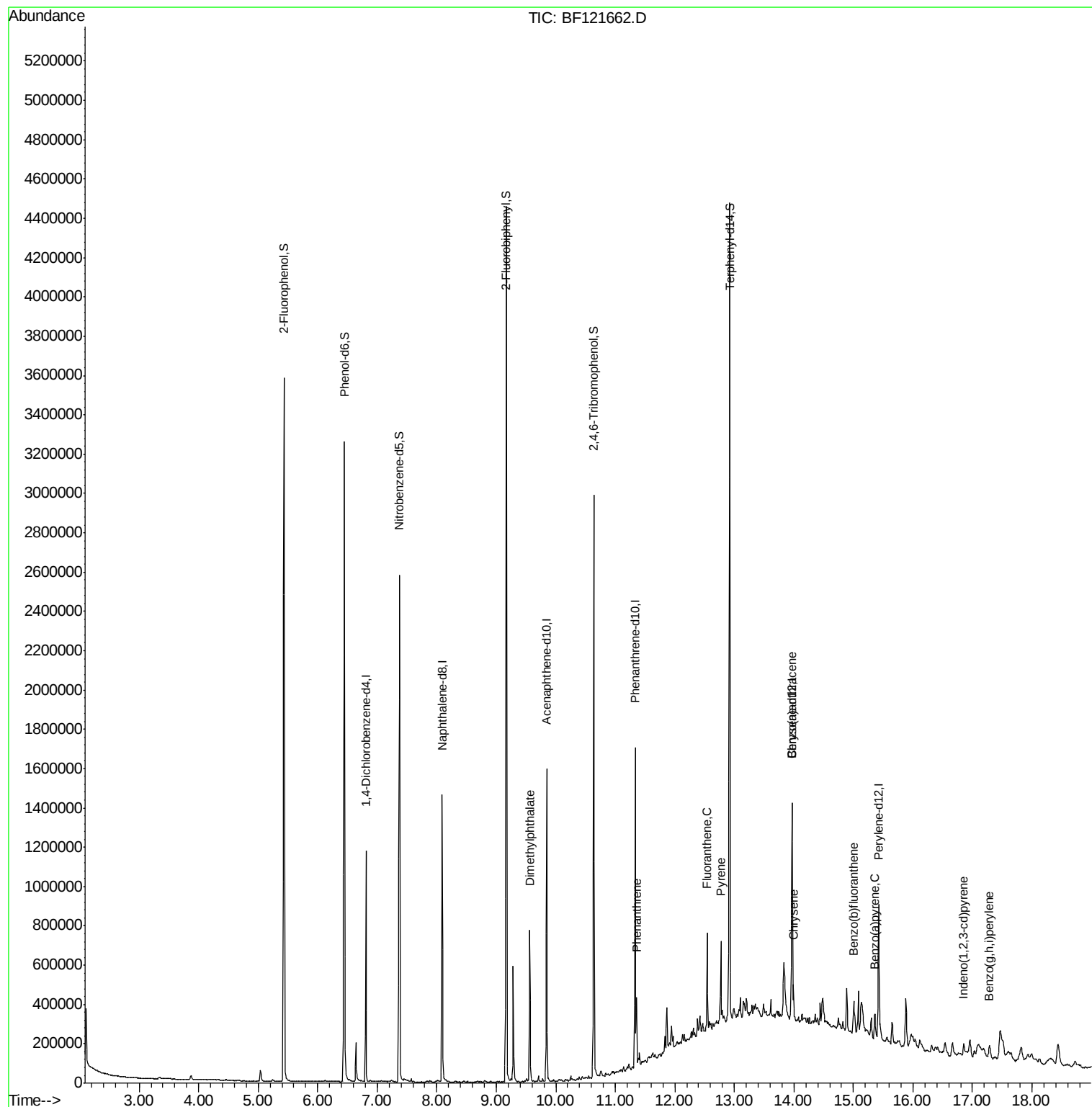
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092220\
Data File : BF121662.D
Acq On : 23 Sep 2020 2:33
Operator : JU/CG
Sample : L4100-02
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
024

Manual Integrations
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9/23/2020 10:43:33 AM

Quant Time: Sep 23 05:44:03 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Sep 22 17:53:26 2020
Response via : Initial Calibration





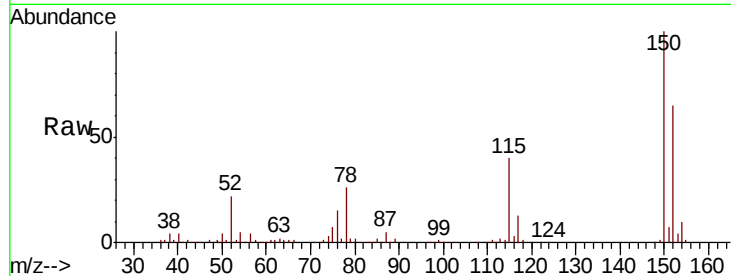
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.81 min Scan# 803
 Delta R.T. -0.00 min
 Lab File: BF121662.D
 Acq: 23 Sep 2020 2:33

Instrument :
 BNA_F
 ClientSampleId :
 024

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.8	128.1	192.1
115	61.5	52.6	79.0

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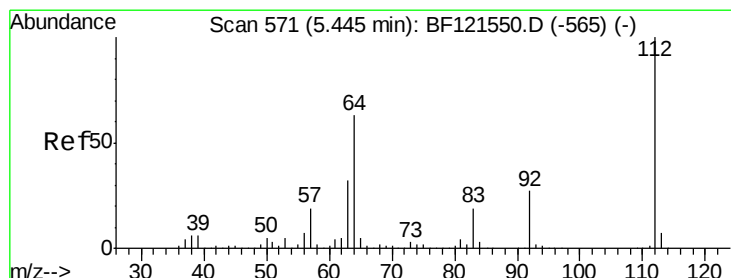
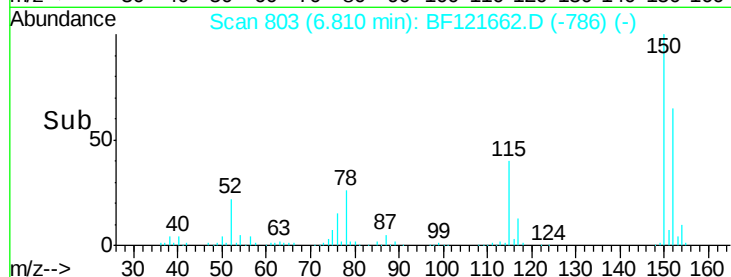
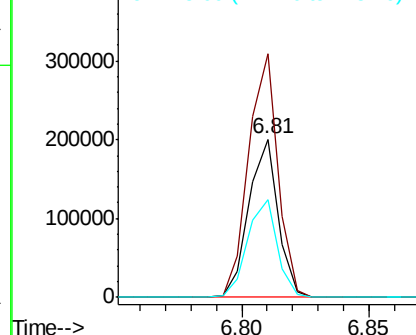


Abundance

Ion 152.00 (151.70 to 152.70): E

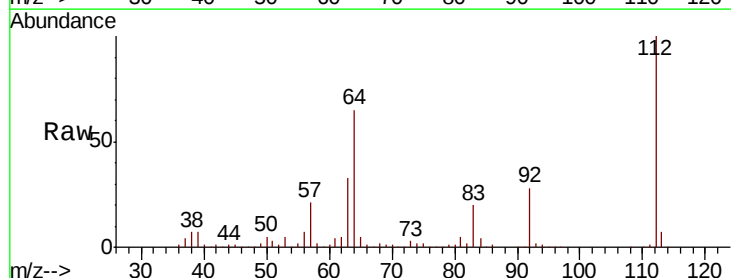
Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#5
 2-Fluorophenol
 Concen: 92.254 ng
 RT: 5.43 min Scan# 569
 Delta R.T. 0.01 min
 Lab File: BF121662.D
 Acq: 23 Sep 2020 2:33

Tgt Ion	Ratio	Lower	Upper
112	100		
64	64.6	52.2	78.2
63	33.2	26.6	39.8

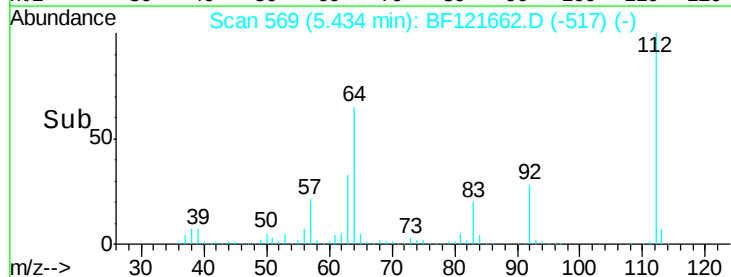
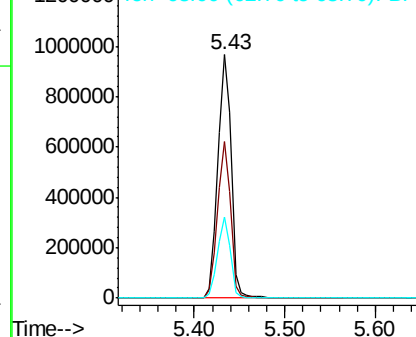


Abundance

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: 91.967 ng

RT: 6.45 min Scan# 742

Delta R.T. -0.00 min

Lab File: BF121662.D

Acq: 23 Sep 2020 2:33

Instrument :

BNA_F

ClientSampleId :

024

Tot Ion: 99 Resp: 1309617

Ion Ratio Lower Upper

99 100

42 18.9 15.5 23.3

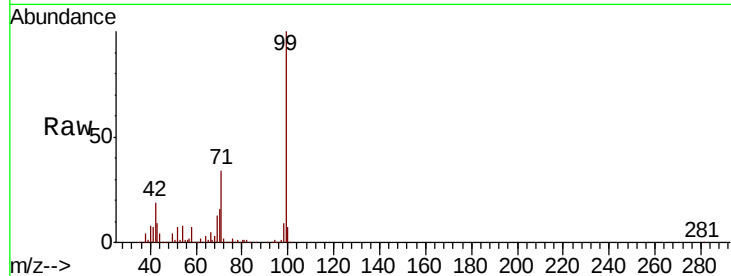
71 34.1 27.4 41.2

Manual Integrations

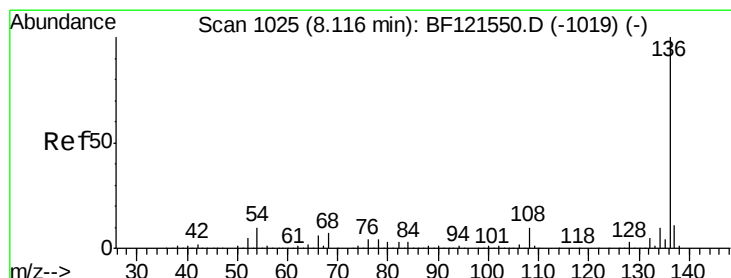
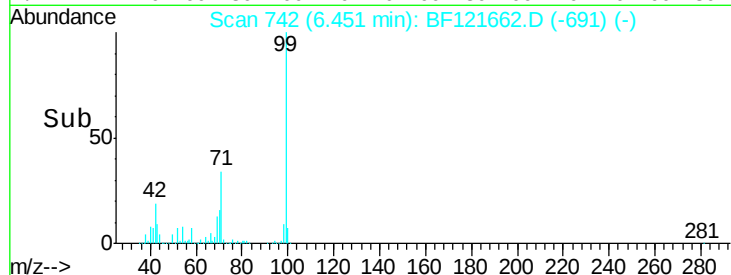
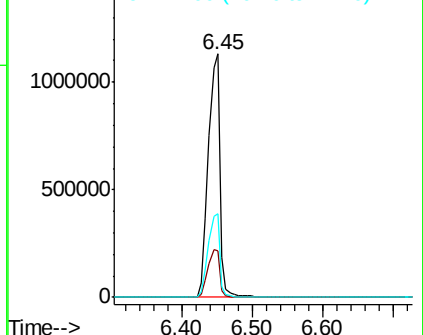
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Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.09 min Scan# 1021

Delta R.T. -0.01 min

Lab File: BF121662.D

Acq: 23 Sep 2020 2:33

Tgt Ion: 136 Resp: 632871

Ion Ratio Lower Upper

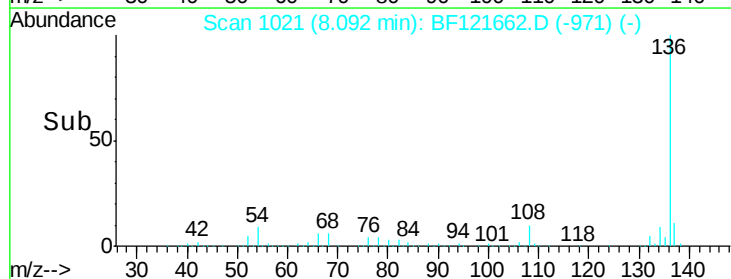
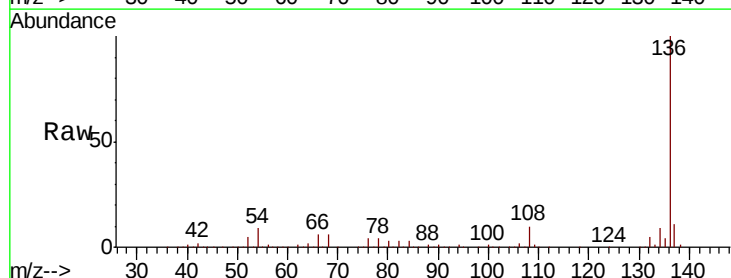
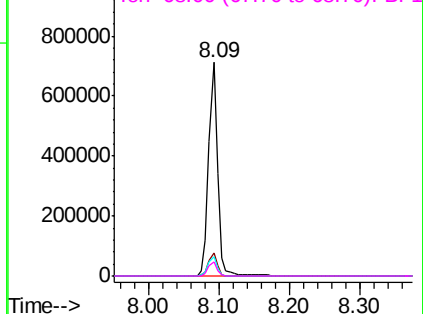
136 100

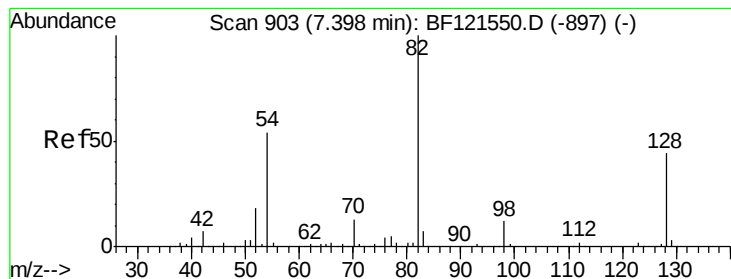
137 10.7 8.9 13.3

54 8.9 7.4 11.0

68 6.4 5.3 7.9

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: 76.108 ng

RT: 7.37 min Scan# 899

Delta R.T. -0.01 min

Lab File: BF121662.D

Acq: 23 Sep 2020 2:33

Instrument :

BNA_F

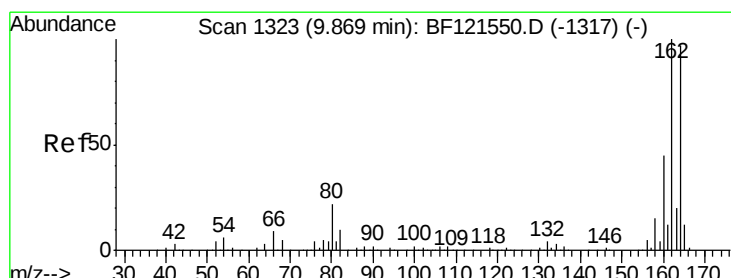
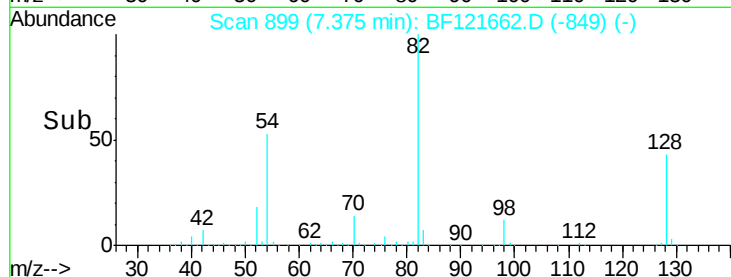
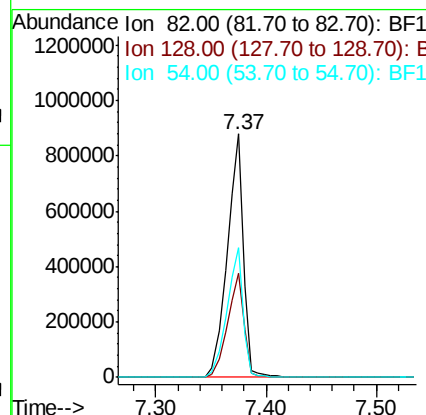
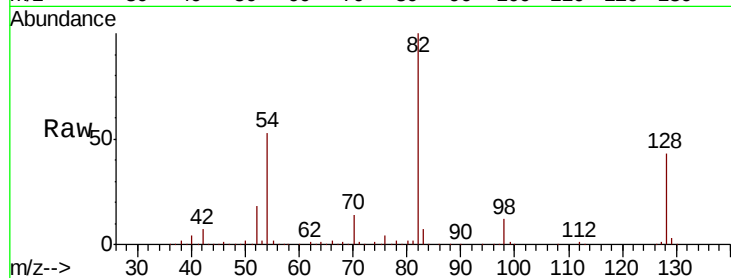
ClientSampled :

024

Tot Ion:	82	Resp:	897094
Ion Ratio	Lower	Upper	
82	100		
128	42.5	33.9	50.9
54	53.2	42.9	64.3

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#39

Acenaphthene-d10

Concen: 20.000 ng

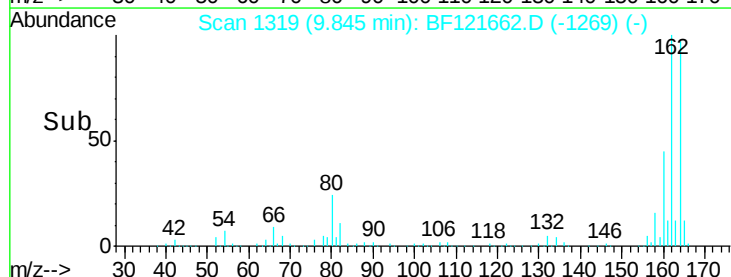
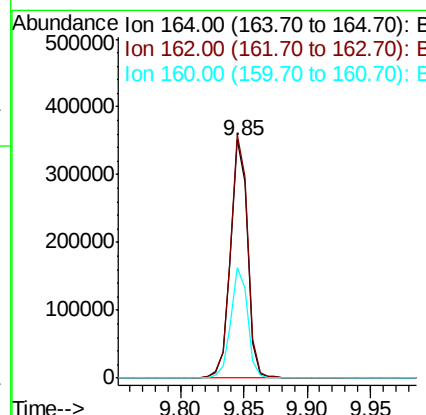
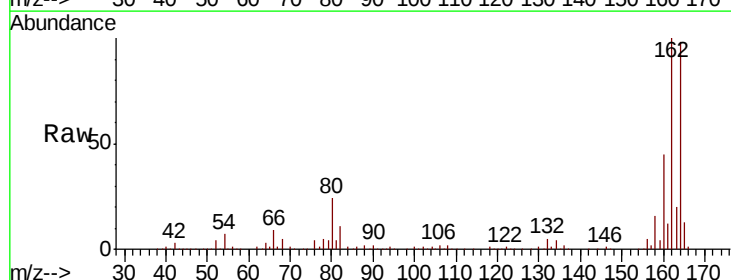
RT: 9.85 min Scan# 1319

Delta R.T. -0.01 min

Lab File: BF121662.D

Acq: 23 Sep 2020 2:33

Tgt Ion:	164	Resp:	325569
Ion Ratio	Lower	Upper	
164	100		
162	102.2	81.2	121.8
160	46.5	36.2	54.4





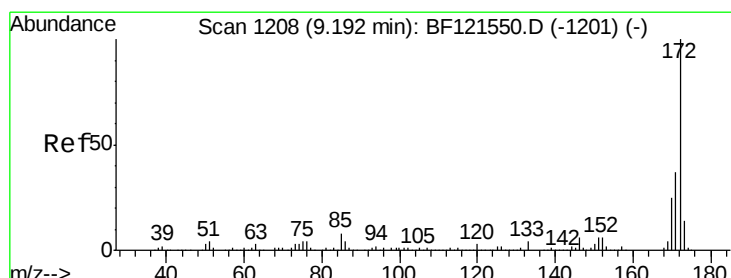
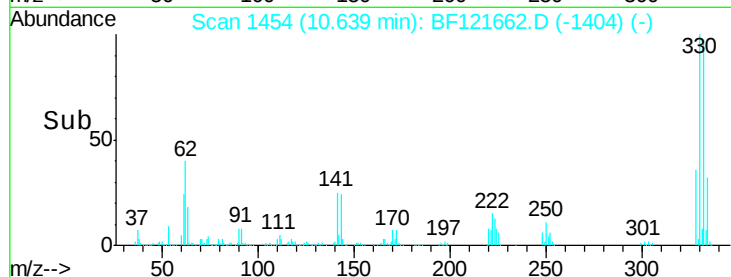
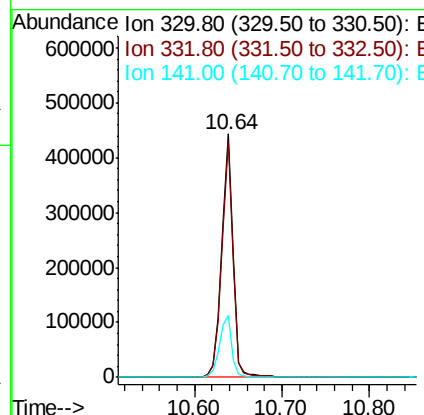
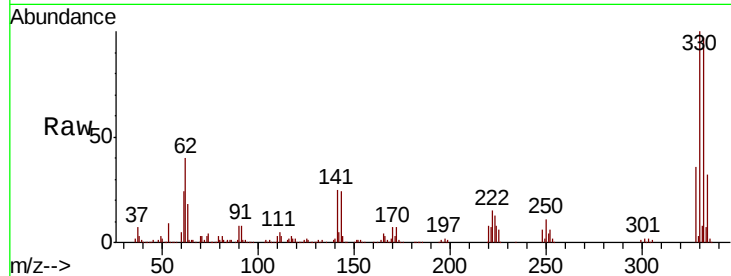
#42
 2,4,6-Tribromophenol
 Concen: 100.268 ng
 RT: 10.64 min Scan# 1454
 Delta R.T. -0.01 min
 Lab File: BF121662.D
 Acq: 23 Sep 2020 2:33

Instrument :
 BNA_F
 ClientSampled :
 024

Tot Ion	Ratio	Resp	Lower	Upper
330	100	405721		
332	96.0	76.9	115.3	
141	27.6	22.4	33.6	

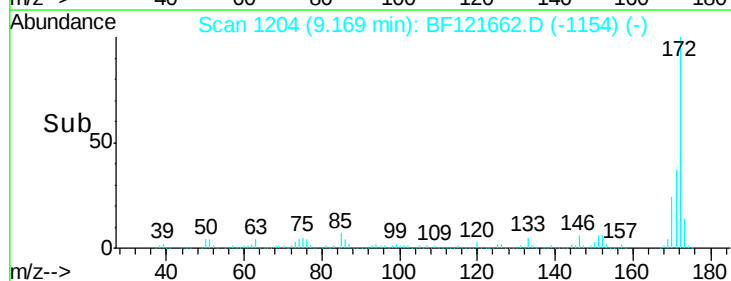
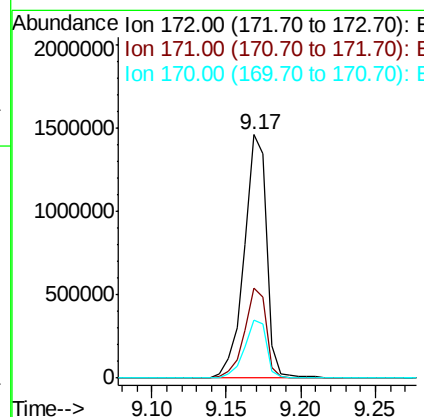
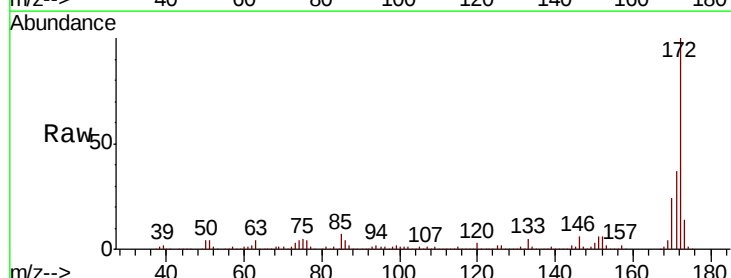
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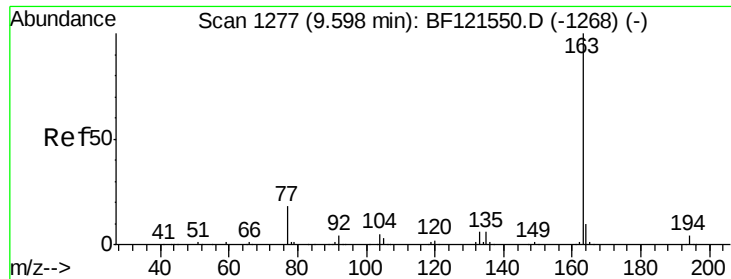
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#45
 2-Fluorobiphenyl
 Concen: 71.397 ng
 RT: 9.17 min Scan# 1204
 Delta R.T. -0.01 min
 Lab File: BF121662.D
 Acq: 23 Sep 2020 2:33

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1534779		
171	36.9	29.3	43.9	
170	24.0	19.5	29.3	





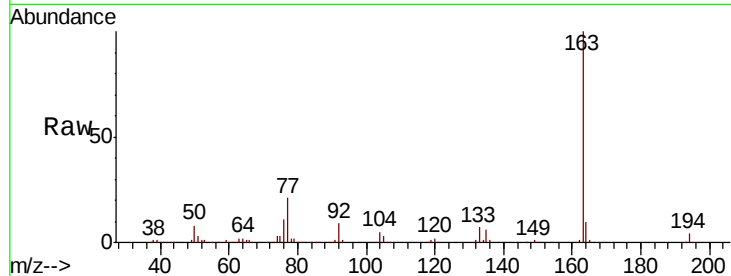
#50
Dimethylphthalate
Concen: 11.904 ng
RT: 9.56 min Scan# 1271
Delta R.T. -0.02 min
Lab File: BF121662.D
Acq: 23 Sep 2020 2:33

Instrument :
BNA_F
ClientSampleId :
024

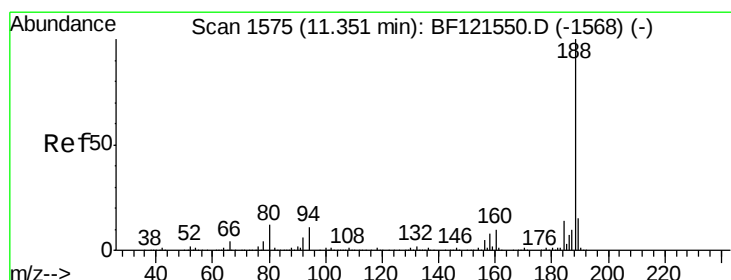
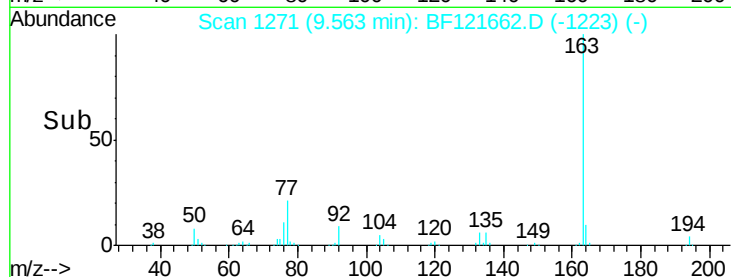
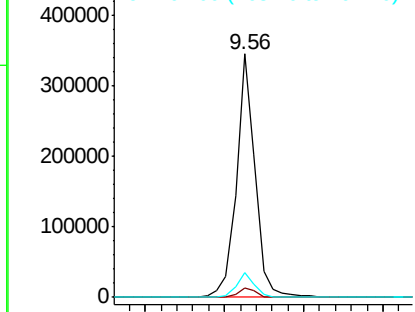
Tot Ion	Ion	Ratio	Resp	Lower	Upper
163	100		280898		
194	4.0		3.3	4.9	
164	10.1		8.0	12.0	

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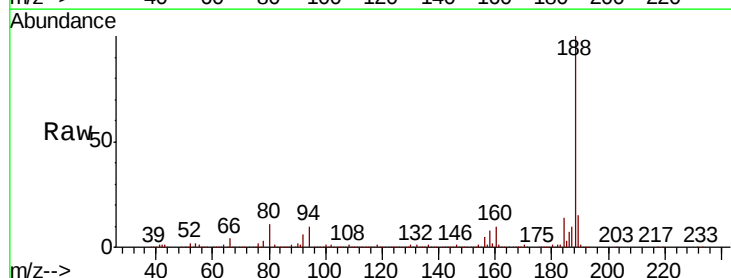


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

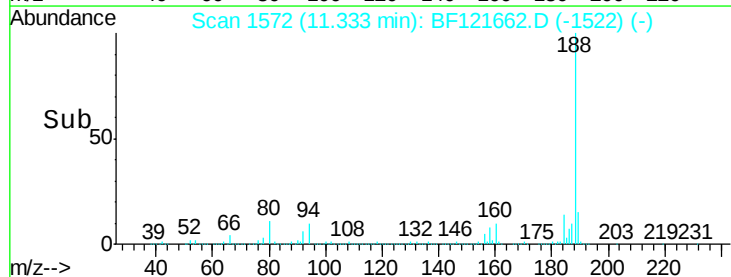
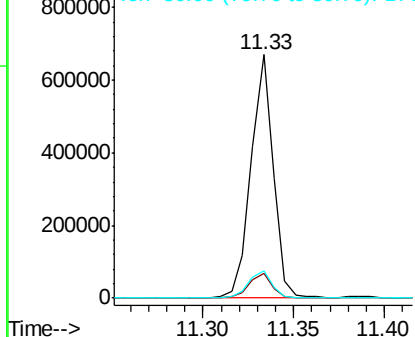


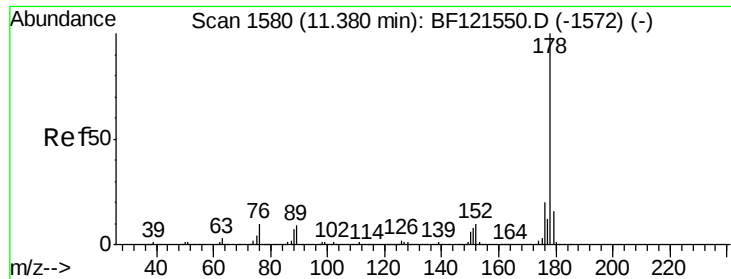
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.33 min Scan# 1572
Delta R.T. -0.01 min
Lab File: BF121662.D
Acq: 23 Sep 2020 2:33

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
188	100		574202		
94	10.3		8.4	12.6	
80	11.1		9.0	13.4	



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





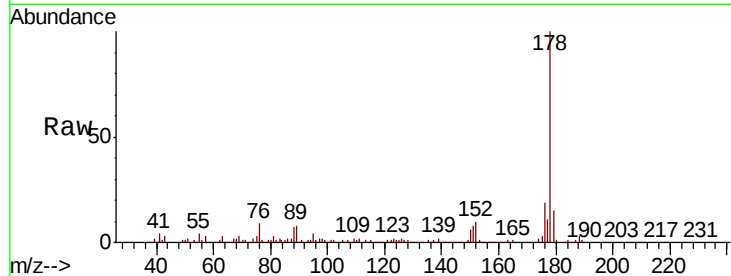
#71
Phenanthrene
Concen: 3.676 ng
RT: 11.36 min Scan# 1576
Delta R.T. -0.01 min
Lab File: BF121662.D
Acq: 23 Sep 2020 2:33

Instrument :
BNA_F
ClientSampleId :
024

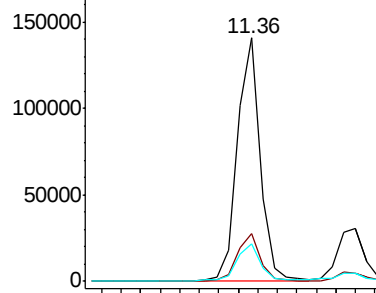
Tot Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.9	23.9
179	15.3	12.6	18.8

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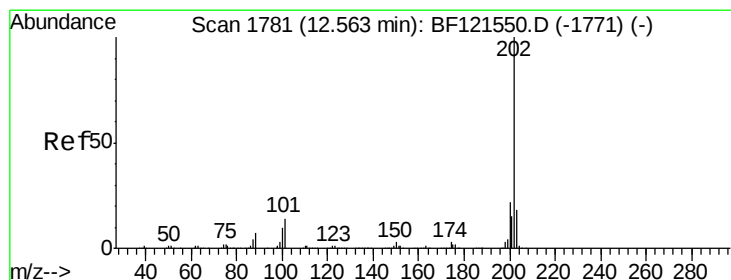
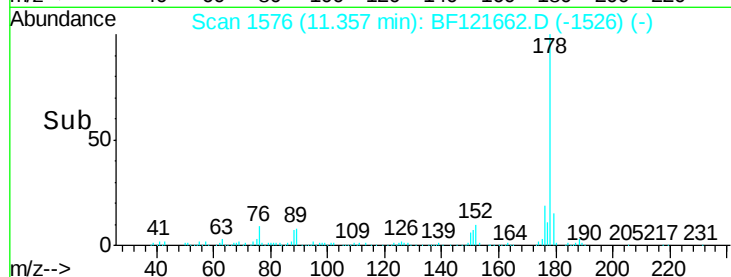
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Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

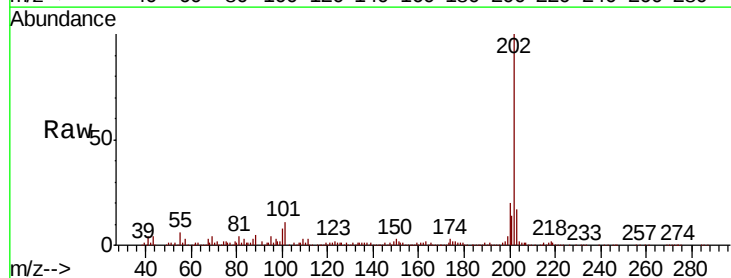


Time-->

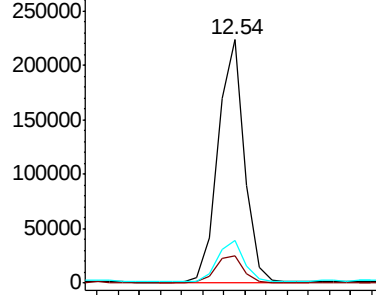


#75
Fluoranthene
Concen: 5.763 ng
RT: 12.54 min Scan# 1778
Delta R.T. -0.01 min
Lab File: BF121662.D
Acq: 23 Sep 2020 2:33

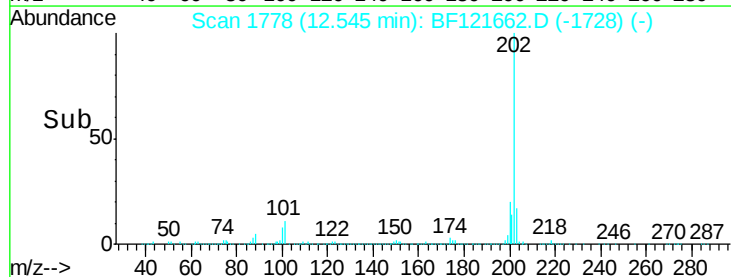
Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.4	0.0	31.9
203	17.5	0.0	37.8

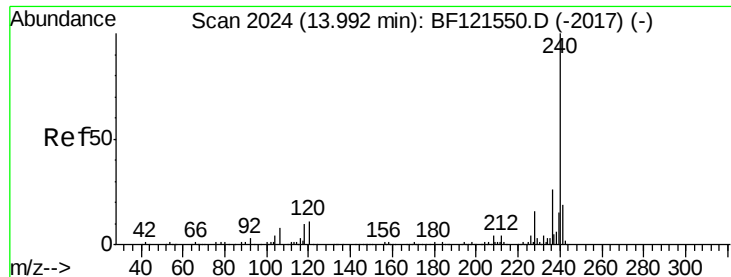


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E



Time-->





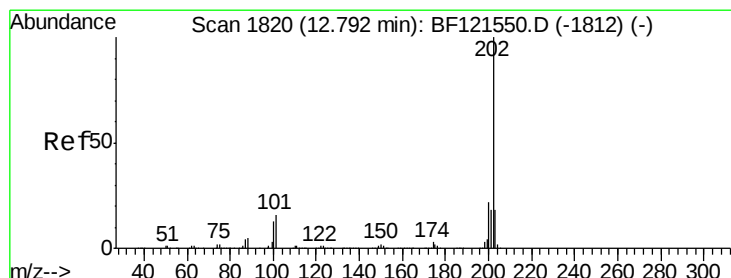
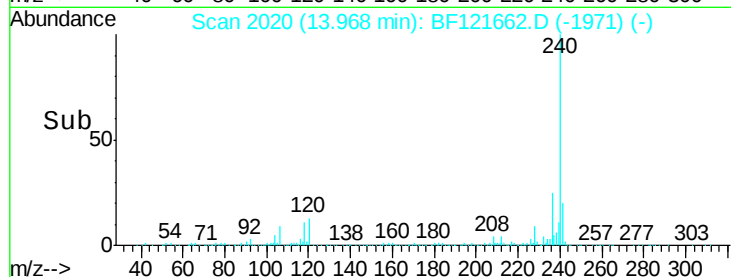
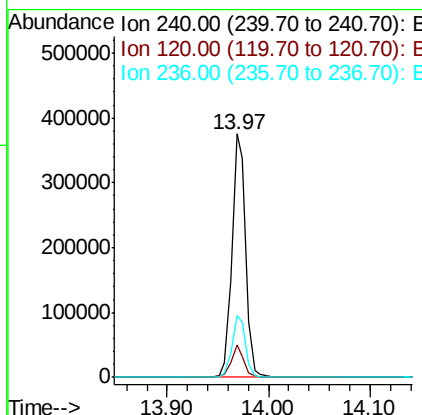
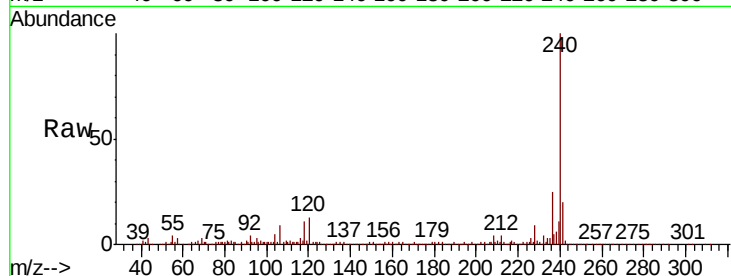
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.97 min Scan# 2020
Delta R.T. -0.01 min
Lab File: BF121662.D
Acq: 23 Sep 2020 2:33

Instrument :
BNA_F
ClientSampled :
024

Tot Ion	Ratio	Lower	Upper
240	100		
120	13.1	9.2	13.8
236	25.3	20.4	30.6

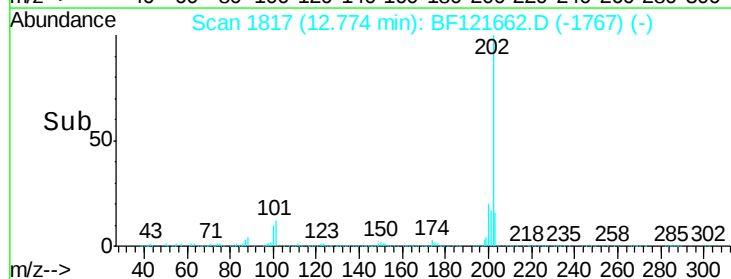
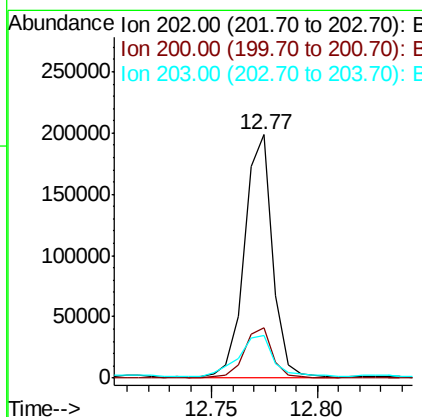
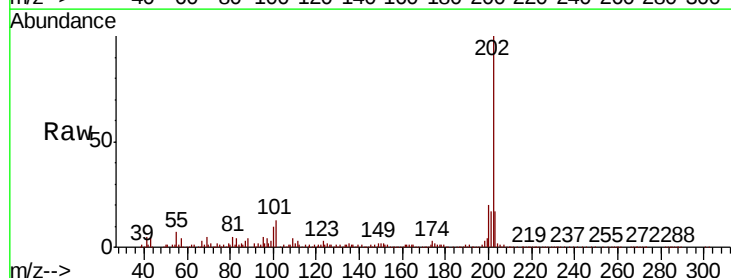
Manual Integrations
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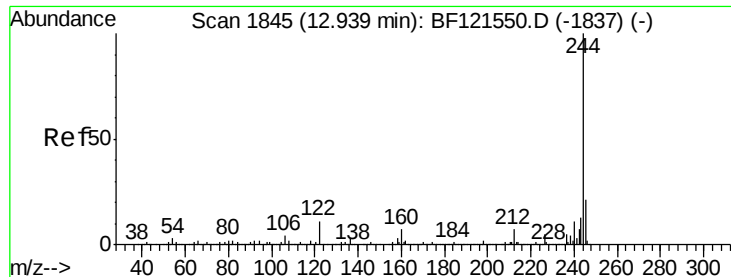
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9/23/2020 10:43:33 AM



#78
Pyrene
Concen: 7.086 ng
RT: 12.77 min Scan# 1817
Delta R.T. -0.01 min
Lab File: BF121662.D
Acq: 23 Sep 2020 2:33

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.5	17.8	26.6
203	17.3	14.4	21.6





#79

Terphenyl-d14

Concen: 80.718 ng

RT: 12.92 min Scan# 1842

Delta R.T. -0.00 min

Lab File: BF121662.D

Acq: 23 Sep 2020 2:33

Instrument :

BNA_F

ClientSampleId :

024

Tot Ion:244 Resp: 1391720

Ion Ratio Lower Upper

244 100

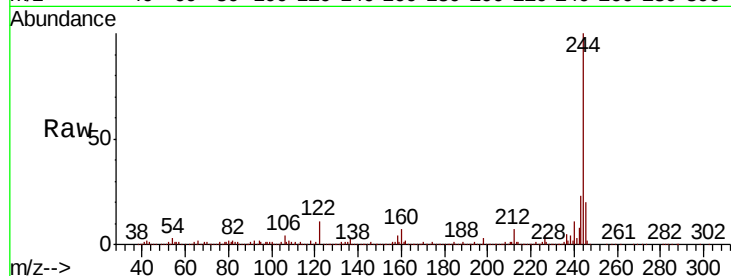
212 7.2 5.5 8.3

122 11.1 7.4 11.0#

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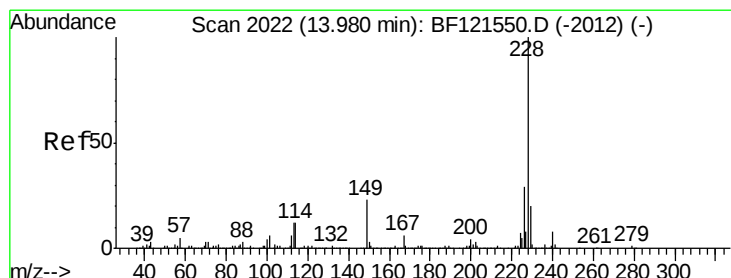
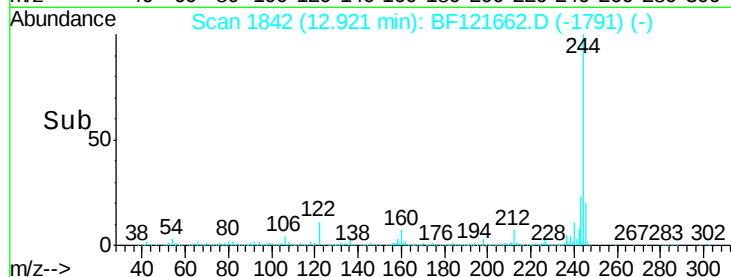
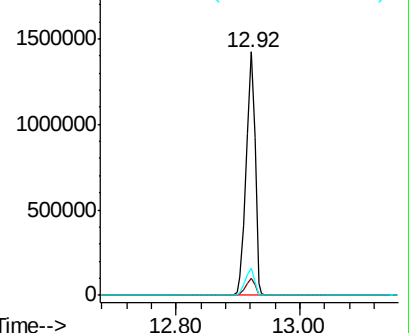
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Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#81

Benzo(a)anthracene

Concen: 3.435 ng

RT: 13.96 min Scan# 2019

Delta R.T. -0.01 min

Lab File: BF121662.D

Acq: 23 Sep 2020 2:33

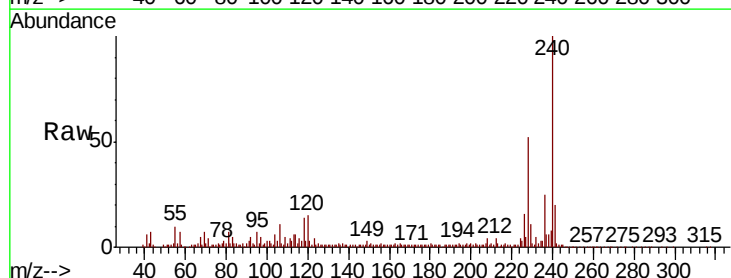
Tgt Ion:228 Resp: 75913

Ion Ratio Lower Upper

228 100

226 31.4 22.6 33.8

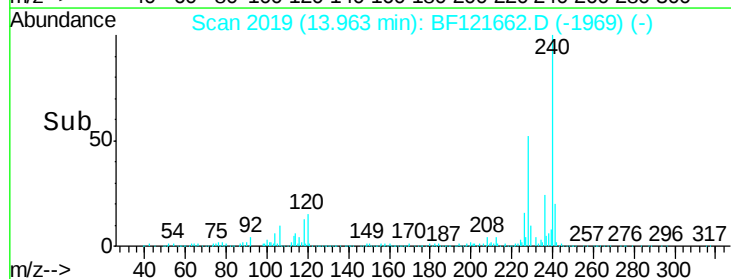
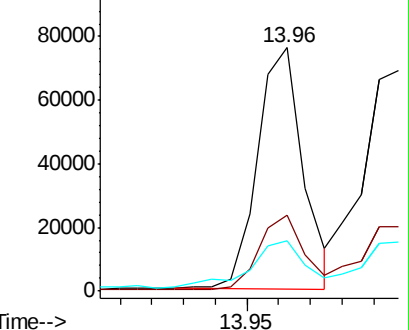
229 20.7 16.2 24.2

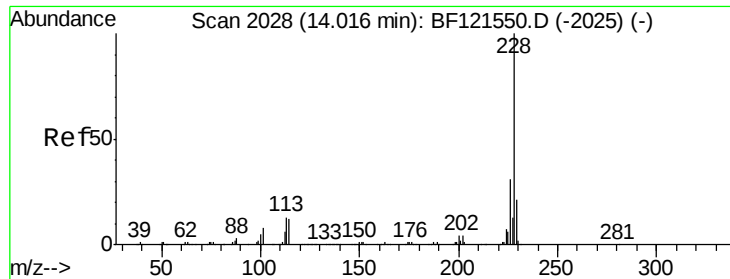


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





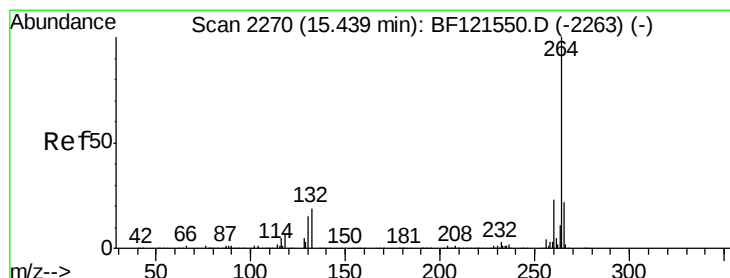
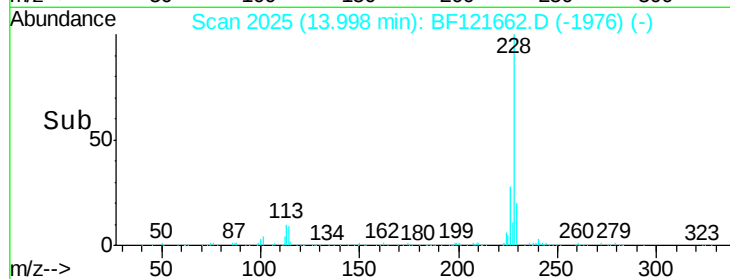
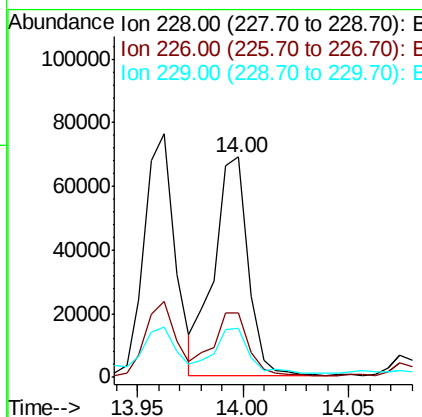
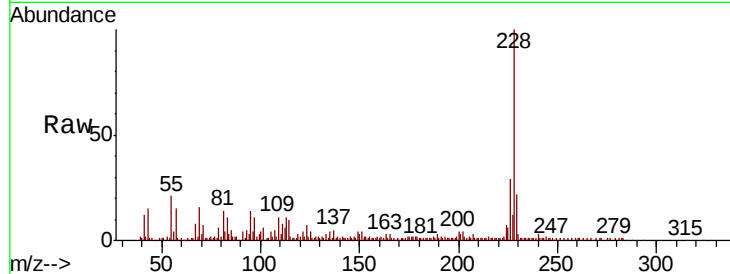
#83
Chrysene
Concen: 3.431 ng
RT: 14.00 min Scan# 2025
Delta R.T. -0.01 min
Lab File: BF121662.D
Acq: 23 Sep 2020 2:33

Instrument :
BNA_F
ClientSampleId :
024

Tot Ion:	228	Resp:	76787
Ion Ratio	Lower	Upper	
228	100		
226	29.1	25.0	37.4
229	22.3	16.0	24.0

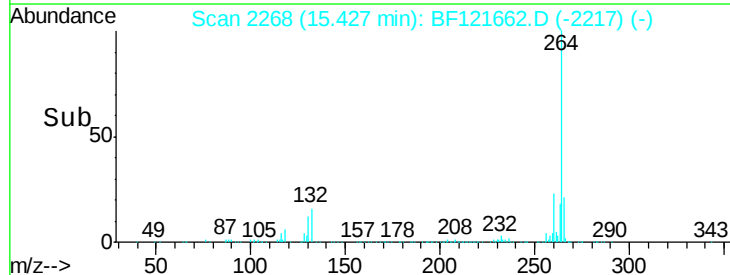
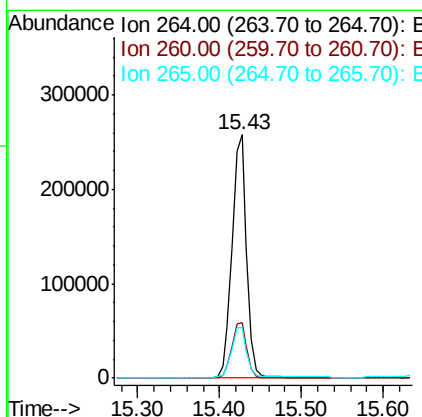
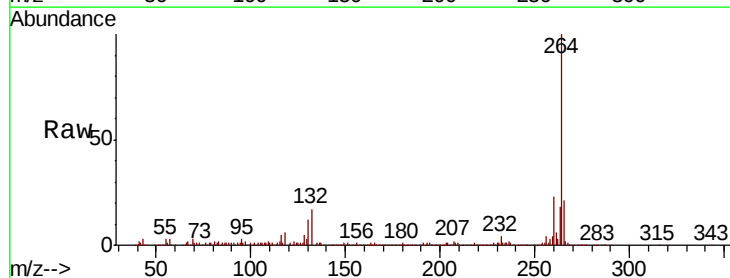
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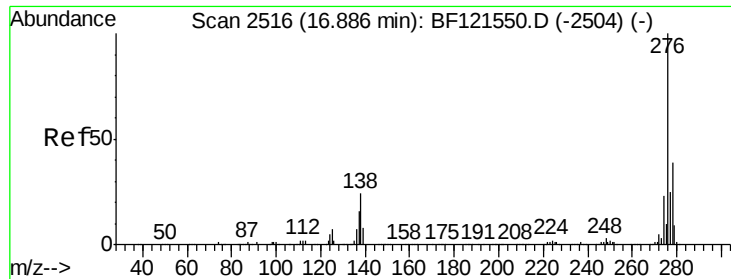
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#86
Perylene-d12
Concen: 20.000 ng
RT: 15.43 min Scan# 2268
Delta R.T. 0.00 min
Lab File: BF121662.D
Acq: 23 Sep 2020 2:33

Tgt Ion:	264	Resp:	322148
Ion Ratio	Lower	Upper	
264	100		
260	23.0	18.8	28.2
265	20.7	17.3	25.9





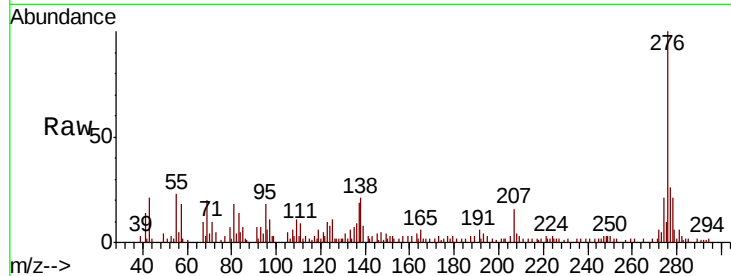
#87
 Indeno(1,2,3-cd)pyrene
 Concen: 2.078 ng
 RT: 16.86 min Scan# 2511
 Delta R.T. -0.02 min
 Lab File: BF121662.D
 Acq: 23 Sep 2020 2:33

Instrument :
 BNA_F
 ClientSampleId :
 024

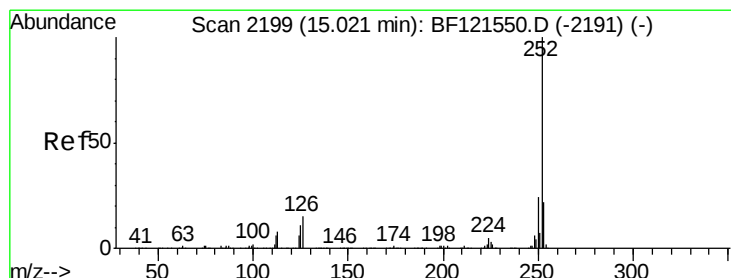
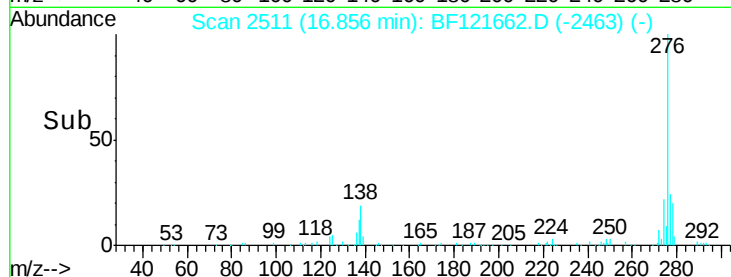
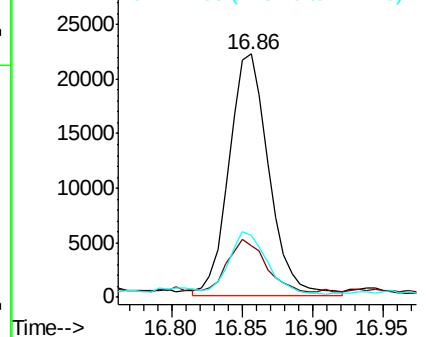
Tot Ion:	276	Resp:	43604
Ion Ratio	Lower	Upper	
276	100		
138	20.1	19.0	28.6
277	25.5	20.2	30.2

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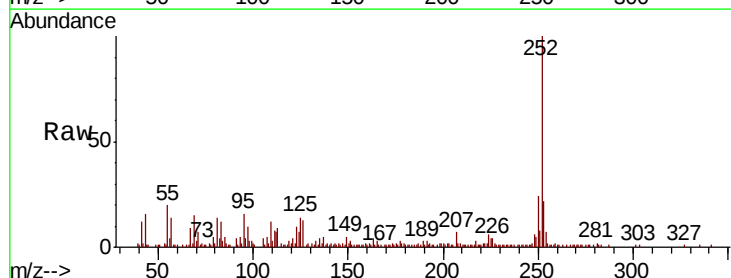


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

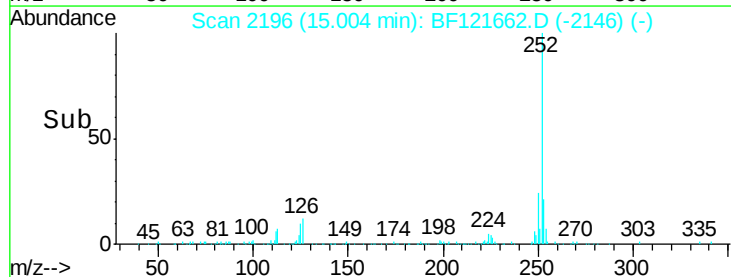
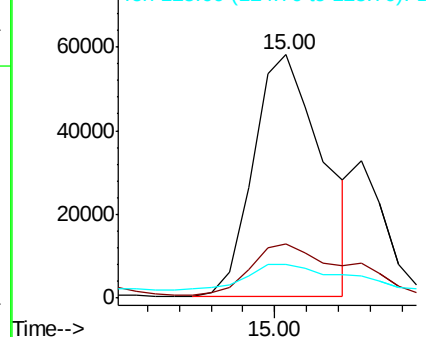


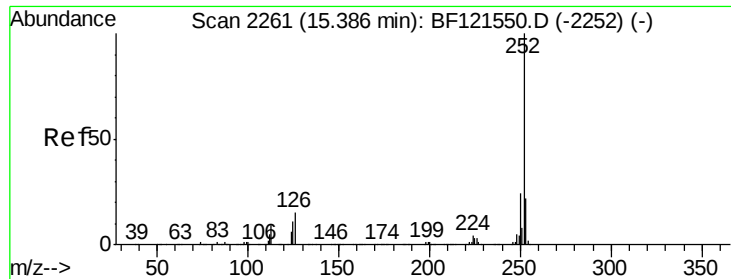
#88
 Benzo(b)fluoranthene
 Concen: 4.072 ng m
 RT: 15.00 min Scan# 2196
 Delta R.T. -0.01 min
 Lab File: BF121662.D
 Acq: 23 Sep 2020 2:33

Tgt Ion:	252	Resp:	87696
Ion Ratio	Lower	Upper	
252	100		
253	22.3	18.2	27.4
125	14.1	8.5	12.7#



Abundance Ion 252.00 (251.70 to 252.70): E
 Ion 253.00 (252.70 to 253.70): E
 Ion 125.00 (124.70 to 125.70): E





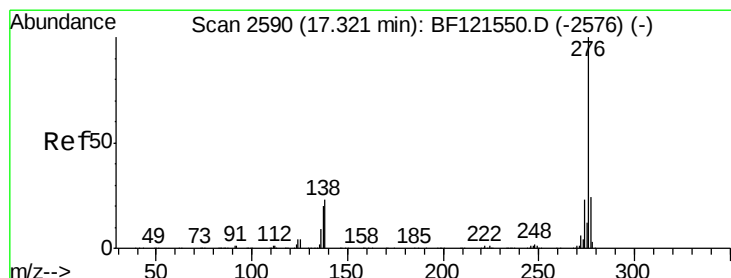
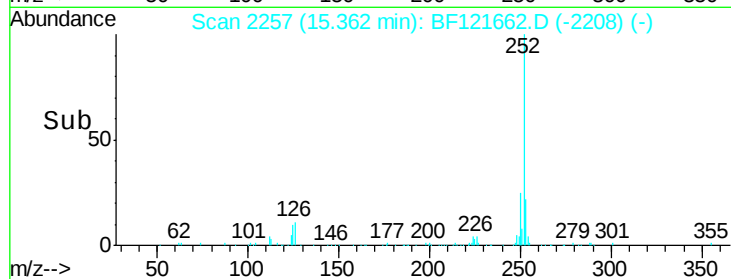
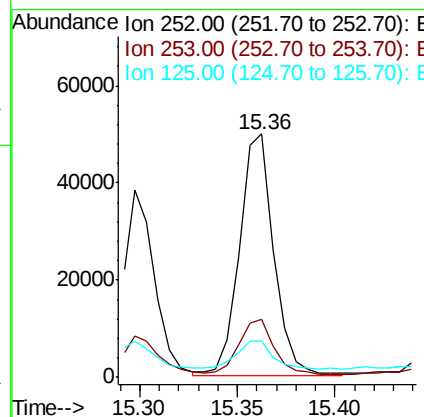
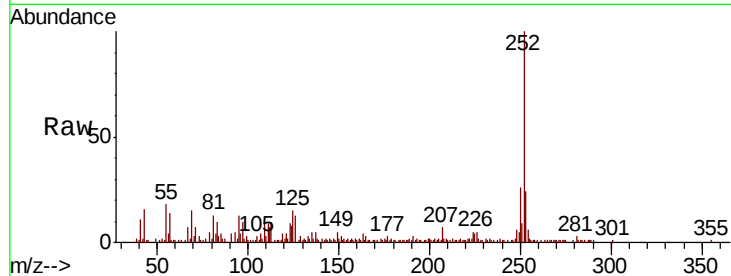
#90
Benzo(a)pyrene
Concen: 3.310 ng
RT: 15.36 min Scan# 2257
Delta R.T. -0.01 min
Lab File: BF121662.D
Acq: 23 Sep 2020 2:33

Instrument :
BNA_F
ClientSampleId :
024

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.0	17.4	26.2
125	15.1	9.1	13.7

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#92
Benzo(g,h,i)perylene
Concen: 2.546 ng
RT: 17.29 min Scan# 2584
Delta R.T. -0.03 min
Lab File: BF121662.D
Acq: 23 Sep 2020 2:33

Tgt Ion	Ratio	Lower	Upper
276	100		
277	26.1	19.3	28.9
138	20.6	16.9	25.3

