

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081420\
 Data File : BF121298.D
 Acq On : 14 Aug 2020 21:57
 Operator : JU/CG
 Sample : L3677-05 5X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-1

Manual Integrations
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 8/18/2020 1:42:22 PM

Quant Time: Aug 17 07:04:04 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF081320.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 13 15:23:26 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.70	152	95447	20.00	ng	-0.02
21) Naphthalene-d8	7.99	136	372260	20.00	ng	-0.02
39) Acenaphthene-d10	9.74	164	195852	20.00	ng	-0.02
64) Phenanthrene-d10	11.22	188	391775	20.00	ng	-0.02
76) Chrysene-d12	13.86	240	280585	20.00	ng	-0.02
86) Perylene-d12	15.27	264	283361	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.30	112	79330	12.60	ng	0.00
7) Phenol-d6	6.34	99	100163	12.35	ng	-0.02
23) Nitrobenzene-d5	7.26	82	60239	8.84	ng	-0.02
42) 2,4,6-Tribromophenol	10.53	330	28228	11.71	ng	-0.02
45) 2-Fluorobiphenyl	9.06	172	121803	8.60	ng	-0.02
79) Terphenyl-d14	12.80	244	120695	8.39	ng	-0.02
Target Compounds						
71) Phenanthrene	11.24	178	110888	4.947	ng	100
75) Fluoranthene	12.43	202	272222	10.908	ng	99
78) Pyrene	12.66	202	261393	12.510	ng	100
81) Benzo(a)anthracene	13.85	228	126261	6.635	ng	97
83) Chrysene	13.89	228	123717	6.367	ng	96
87) Indeno(1,2,3-cd)pyrene	16.63	276	77371	3.673	ng	97
88) Benzo(b)fluoranthene	14.87	252	163236m	8.598	ng	
89) Benzo(k)fluoranthene	14.89	252	55317m	3.137	ng	
90) Benzo(a)pyrene	15.22	252	112749	6.579	ng	99
92) Benzo(g,h,i)perylene	17.04	276	73783	4.142	ng	98

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

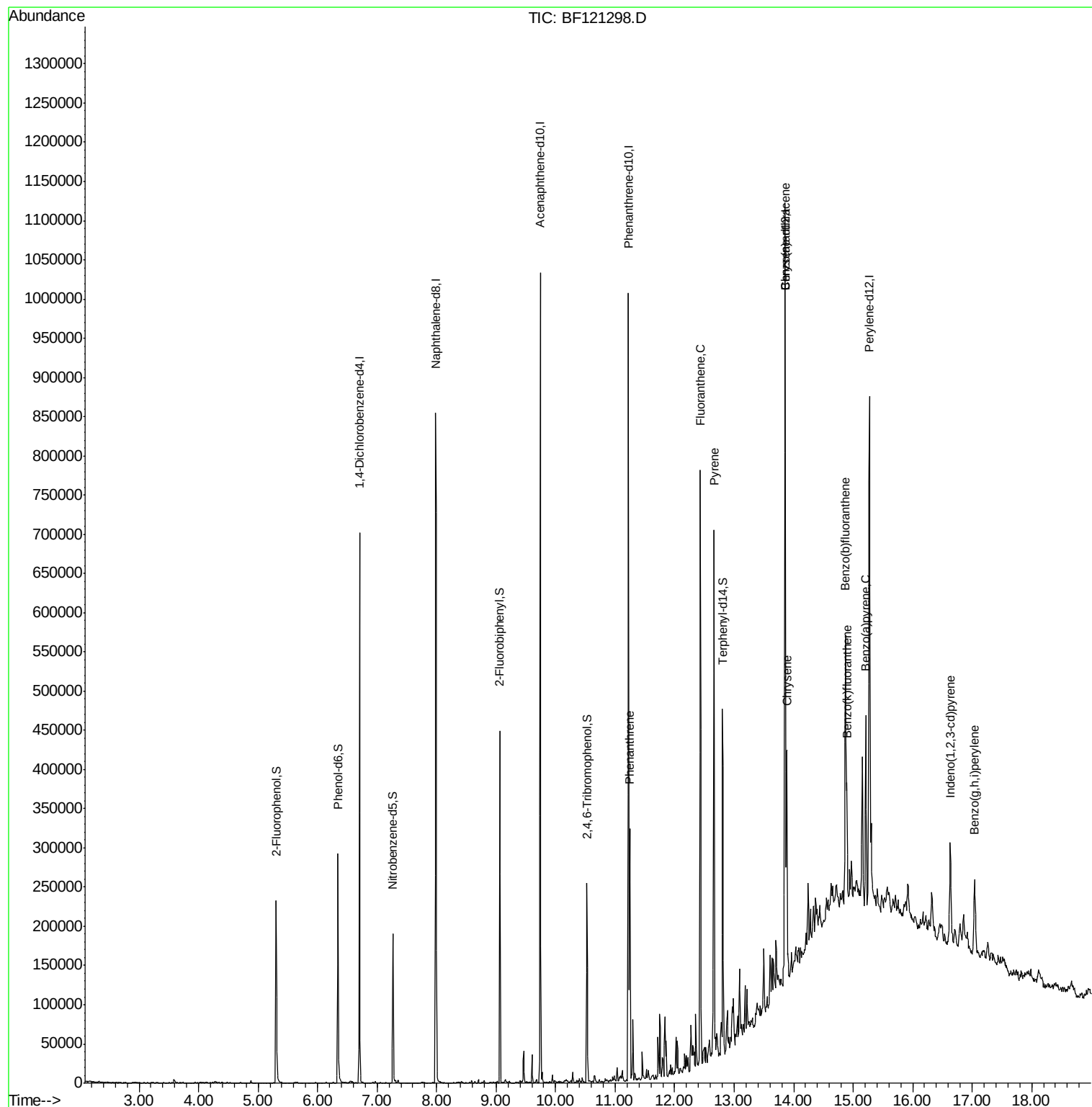
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081420\
Data File : BF121298.D
Acq On : 14 Aug 2020 21:57
Operator : JU/CG
Sample : L3677-05 5X
Misc :
ALS Vial : 12 Sample Multiplier: 1

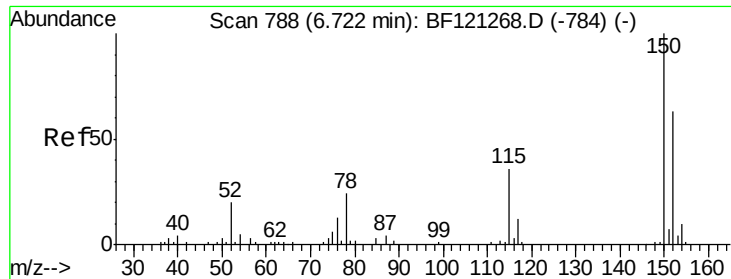
Instrument :
BNA_F
ClientSampled :
TP-1

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#1

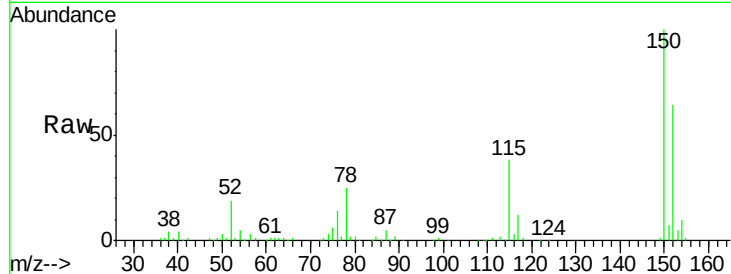
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.70 min Scan# 785
Delta R.T. -0.02 min
Lab File: BF121298.D
Acq: 14 Aug 2020 21:57

Instrument :
BNA_F
ClientSampled :
TP-1

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.5	129.0	193.6
115	59.7	49.0	73.4

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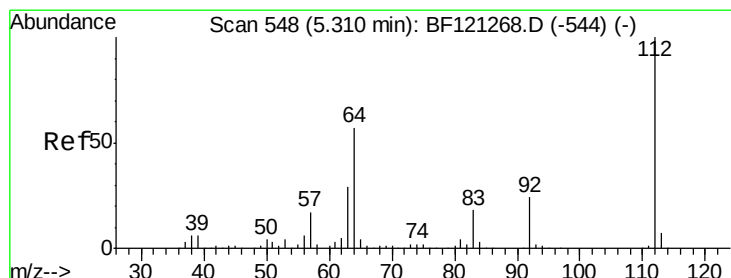
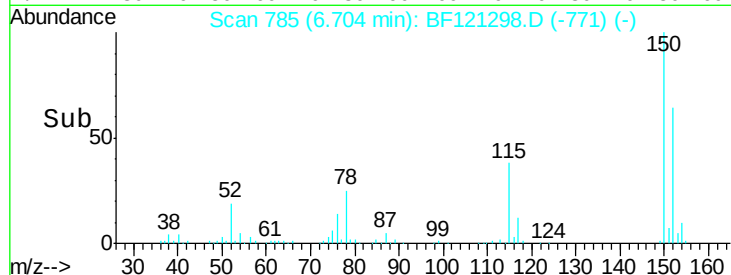
Abundance

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

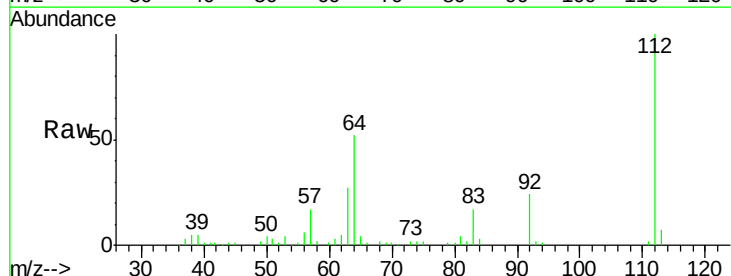
Time-->



#5

2-Fluorophenol
Concen: 12.601 ng
RT: 5.30 min Scan# 547
Delta R.T. -0.01 min
Lab File: BF121298.D
Acq: 14 Aug 2020 21:57

Tgt Ion	Ratio	Lower	Upper
112	100		
64	52.4	45.4	68.2
63	26.7	23.0	34.6



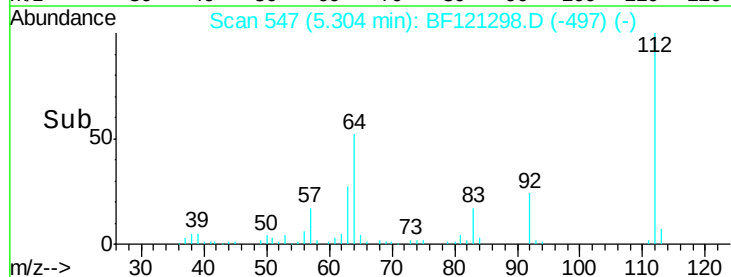
Abundance

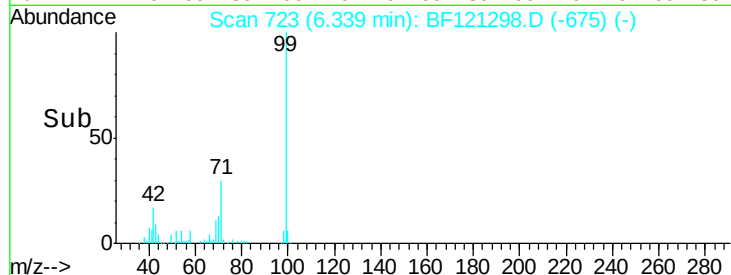
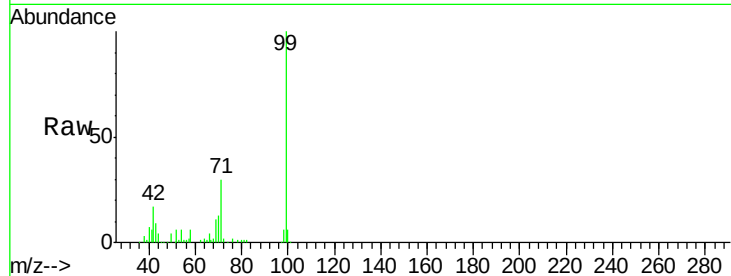
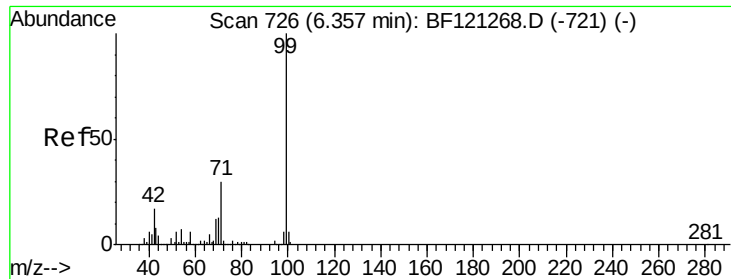
Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1

Time-->





#7

Phenol-d6

Concen: 12.346 ng

RT: 6.34 min Scan# 723

Delta R.T. -0.02 min

Lab File: BF121298.D

Acq: 14 Aug 2020 21:57

Tot Ion:	99	Resp:	100163
Ion Ratio	Lower	Upper	
99	100		
42	17.1	13.1	19.7
71	30.1	23.7	35.5

Instrument :

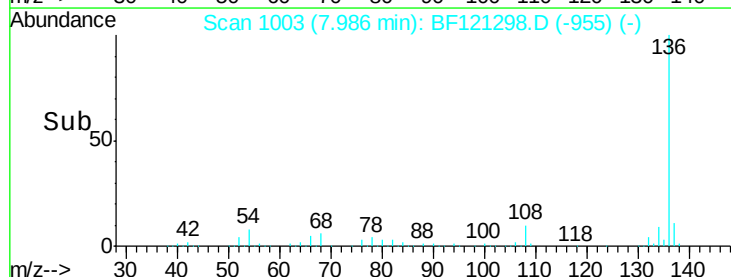
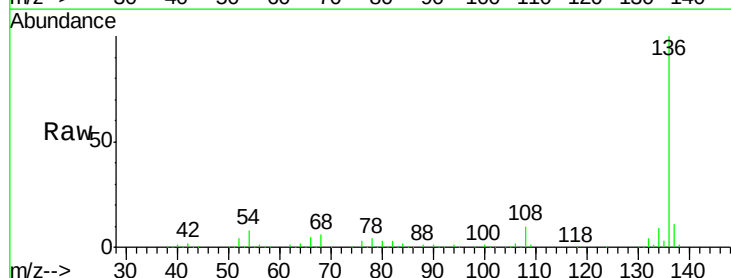
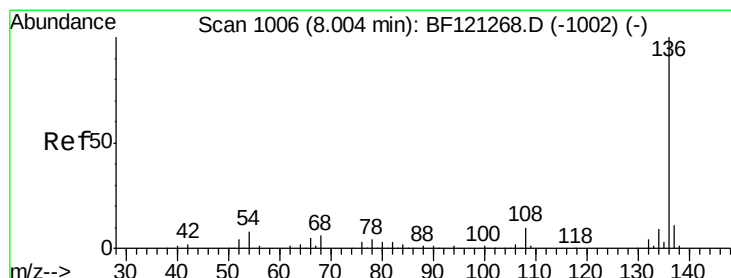
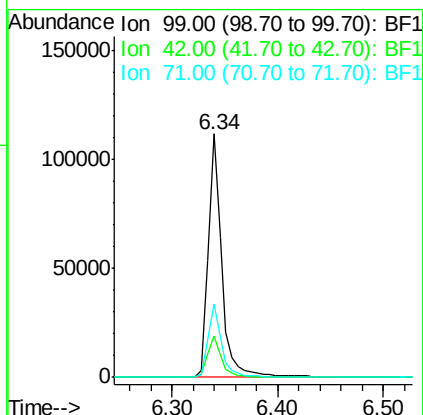
BNA_F

ClientSampled :

TP-1

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#21

Naphthalene-d8

Concen: 20.000 ng

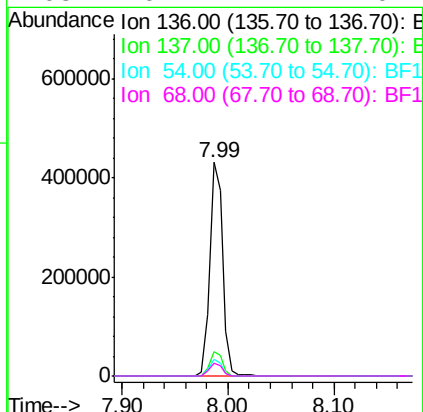
RT: 7.99 min Scan# 1003

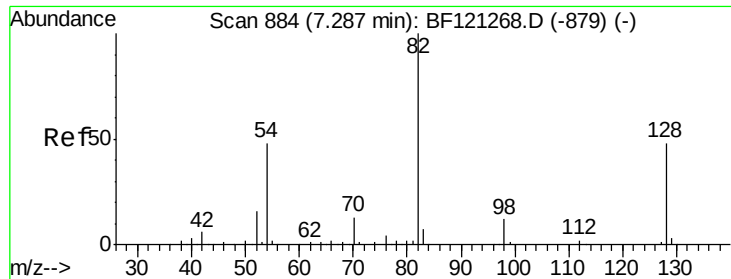
Delta R.T. -0.02 min

Lab File: BF121298.D

Acq: 14 Aug 2020 21:57

Tgt Ion:	136	Resp:	372260
Ion Ratio	Lower	Upper	
136	100		
137	11.3	8.6	13.0
54	8.0	5.3	7.9#
68	6.2	4.2	6.2





#23

Nitrobenzene-d5

Concen: 8.844 ng

RT: 7.26 min Scan# 880

Delta R.T. -0.02 min

Lab File: BF121298.D

Acq: 14 Aug 2020 21:57

Instrument :

BNA_F

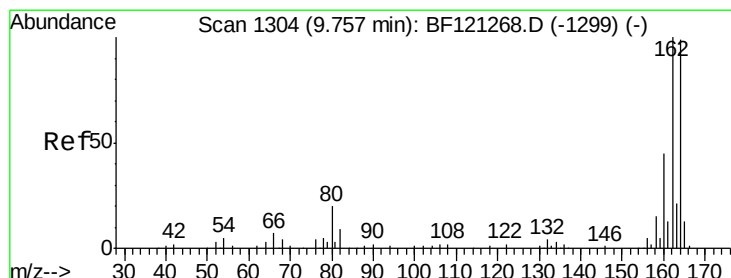
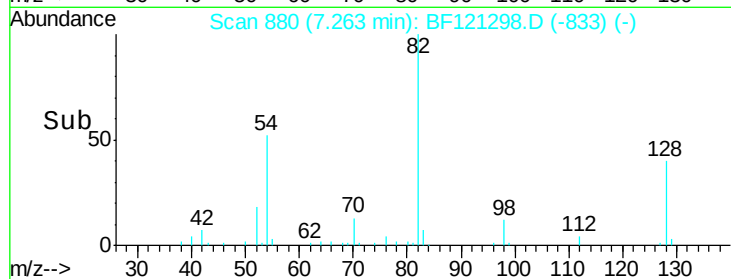
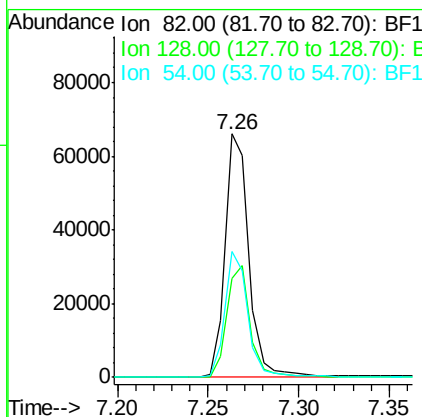
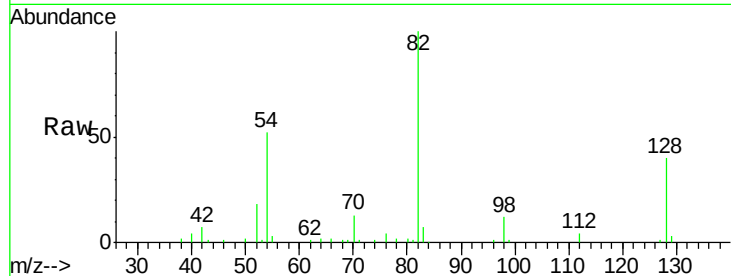
ClientSampled :

TP-1

Tot Ion:	82	Resp:	60239
Ion Ratio	Lower	Upper	
82	100		
128	40.4	39.8	59.8
54	51.9	37.7	56.5

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#39

Acenaphthene-d10

Concen: 20.000 ng

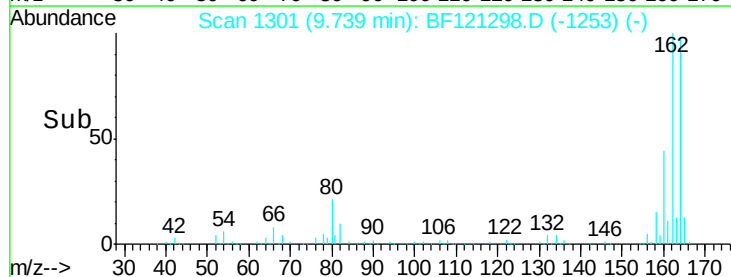
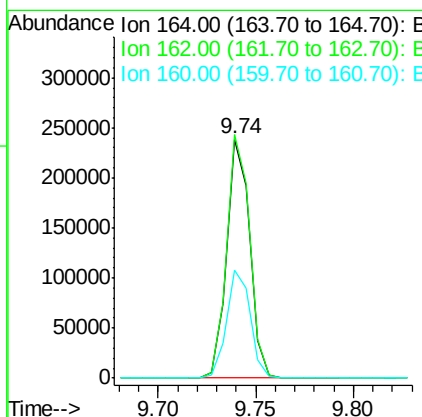
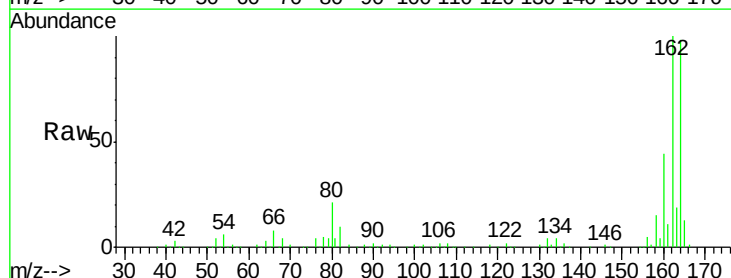
RT: 9.74 min Scan# 1301

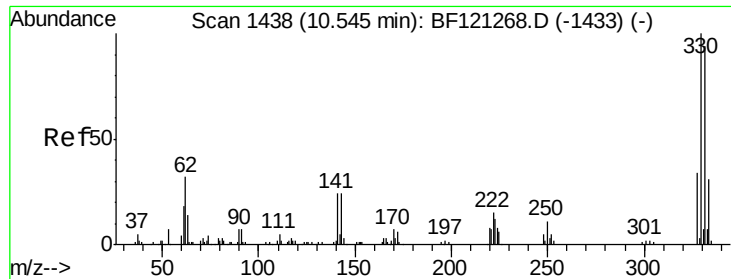
Delta R.T. -0.02 min

Lab File: BF121298.D

Acq: 14 Aug 2020 21:57

Tgt Ion:	164	Resp:	195852
Ion Ratio	Lower	Upper	
164	100		
162	101.9	81.2	121.8
160	45.2	36.9	55.3





#42

2,4,6-Tribromophenol

Concen: 11.706 ng

RT: 10.53 min Scan# 1435

Delta R.T. -0.02 min

Lab File: BF121298.D

Acq: 14 Aug 2020 21:57

Instrument :

BNA_F

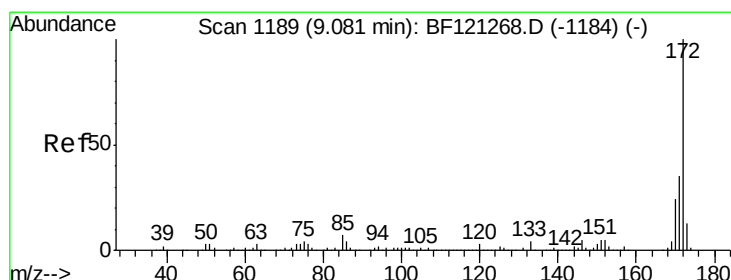
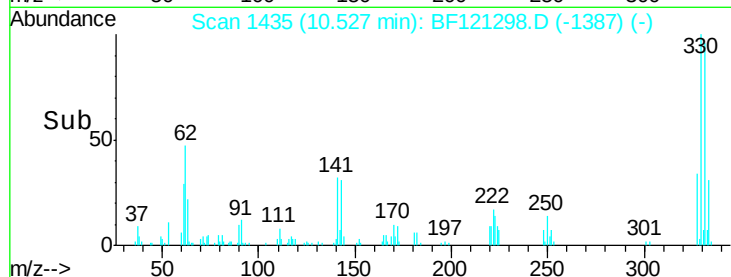
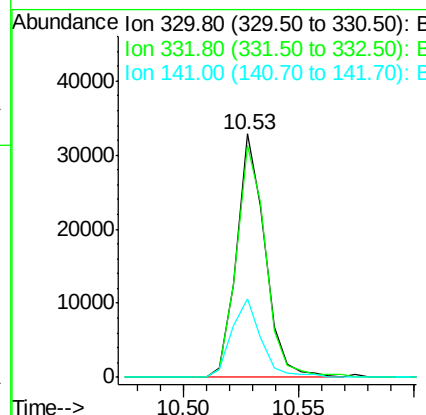
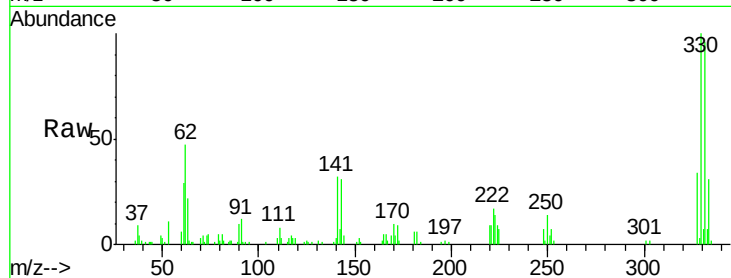
ClientSampled :

TP-1

Tot Ion:	330	Resp:	28228
Ion Ratio	Lower	Upper	
330	100		
332	98.5	75.4	113.0
141	33.4	23.4	35.2

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#45

2-Fluorobiphenyl

Concen: 8.603 ng

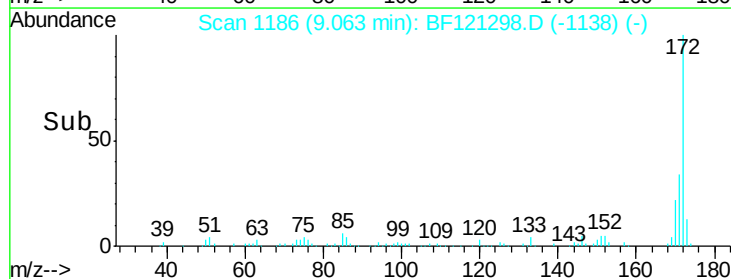
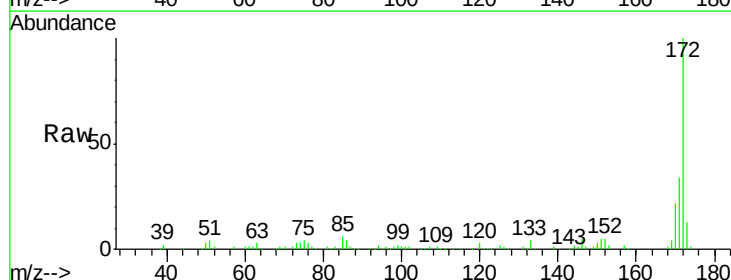
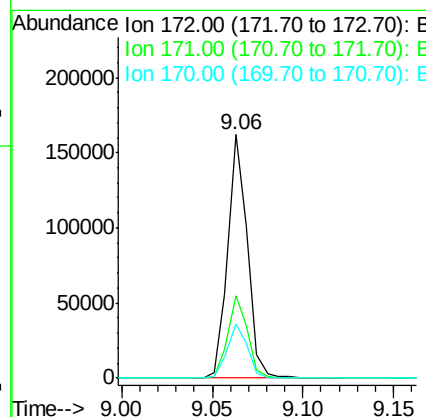
RT: 9.06 min Scan# 1186

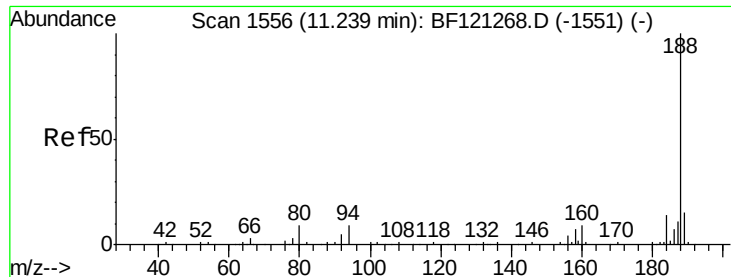
Delta R.T. -0.02 min

Lab File: BF121298.D

Acq: 14 Aug 2020 21:57

Tgt Ion:	172	Resp:	121803
Ion Ratio	Lower	Upper	
172	100		
171	33.6	28.3	42.5
170	22.1	19.3	28.9





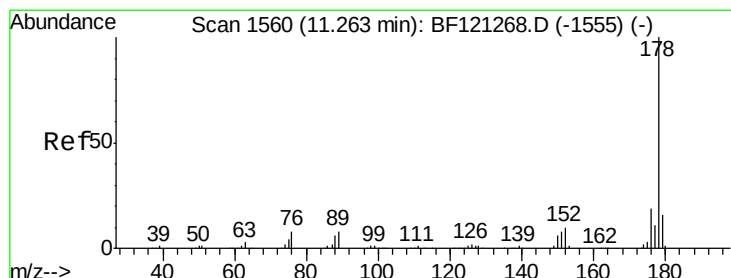
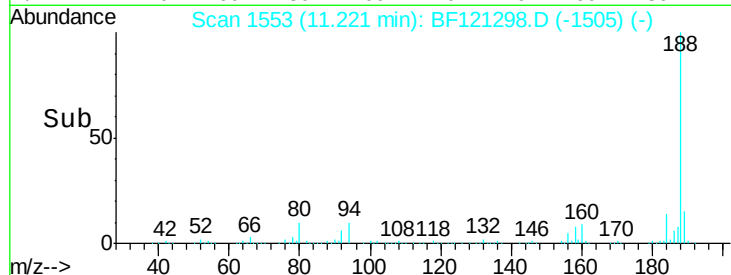
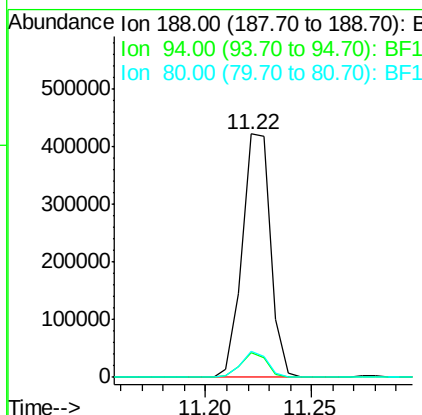
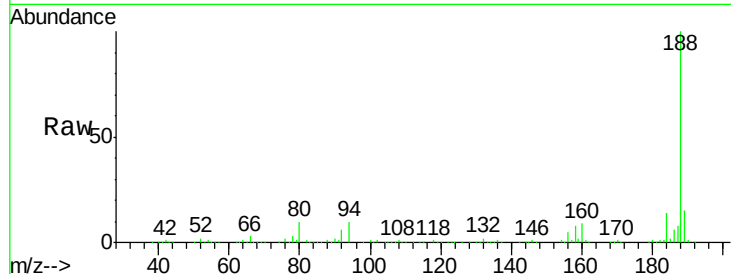
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.22 min Scan# 1553
 Delta R.T. -0.02 min
 Lab File: BF121298.D
 Acq: 14 Aug 2020 21:57

Instrument :
 BNA_F
 ClientSampled :
 TP-1

Tot Ion:	188	Resp:	391775
Ion Ratio	Lower	Upper	
188	100		
94	10.2	7.0	10.6
80	10.5	7.4	11.0

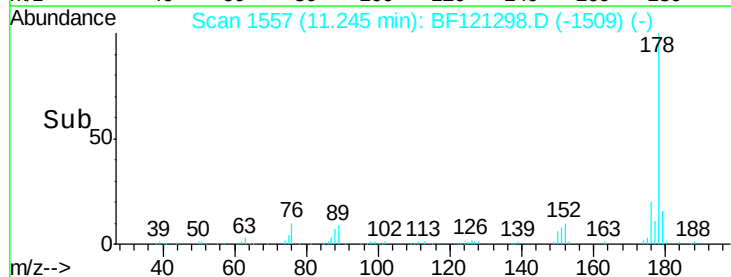
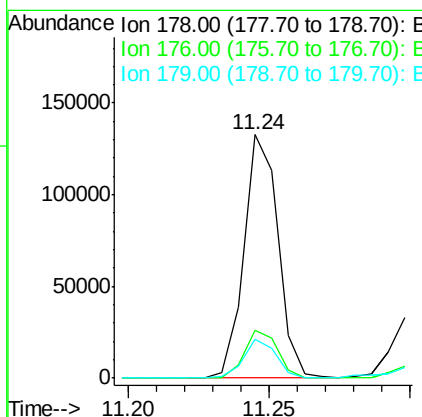
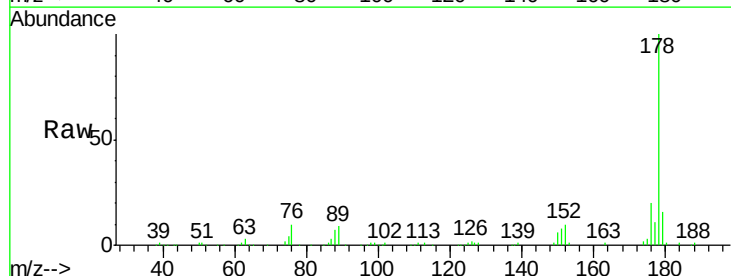
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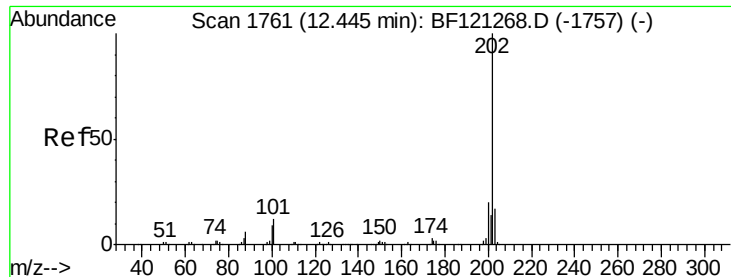
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#71
 Phenanthrene
 Concen: 4.947 ng
 RT: 11.24 min Scan# 1557
 Delta R.T. -0.02 min
 Lab File: BF121298.D
 Acq: 14 Aug 2020 21:57

Tgt Ion:	178	Resp:	110888
Ion Ratio	Lower	Upper	
178	100		
176	19.7	15.8	23.8
179	15.7	12.6	19.0





#75

Fluoranthene

Concen: 10.908 ng

RT: 12.43 min Scan# 1759

Delta R.T. -0.01 min

Lab File: BF121298.D

Acq: 14 Aug 2020 21:57

Instrument :

BNA_F

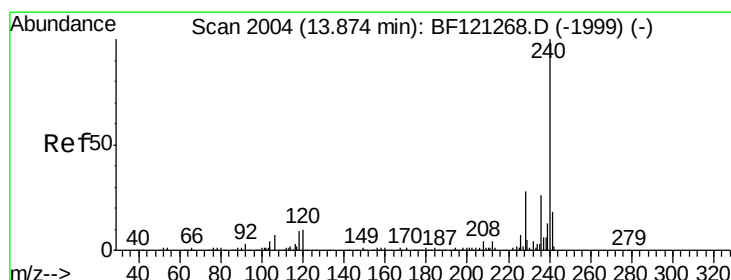
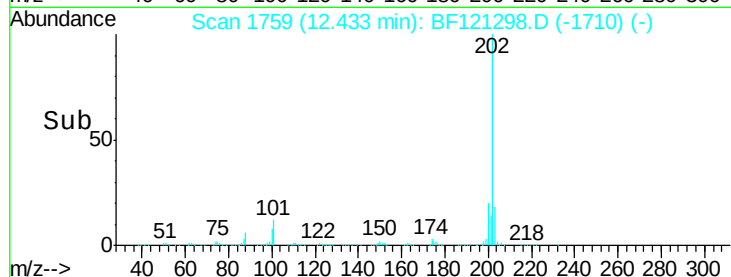
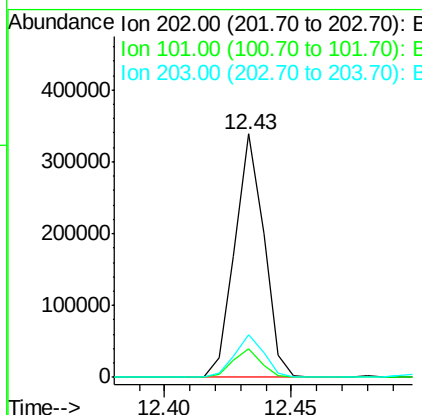
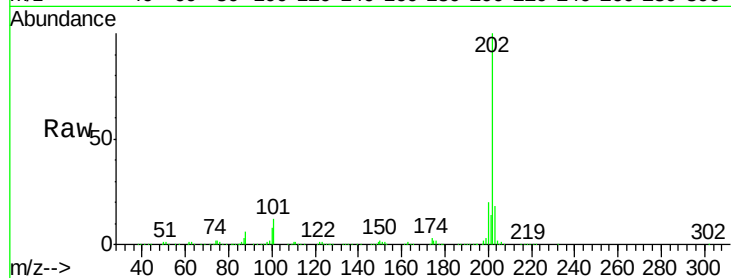
ClientSampleId :

TP-1

Tot Ion	Ion	Ratio	Resp	Lower	Upper
202	100		272222		
101	11.7	0.0	30.6		
203	17.8	0.0	38.0		

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#76

Chrysene-d12

Concen: 20.000 ng

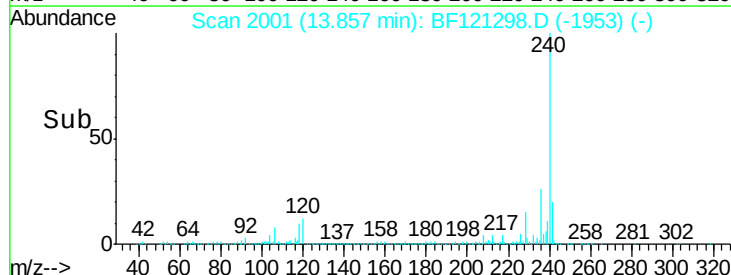
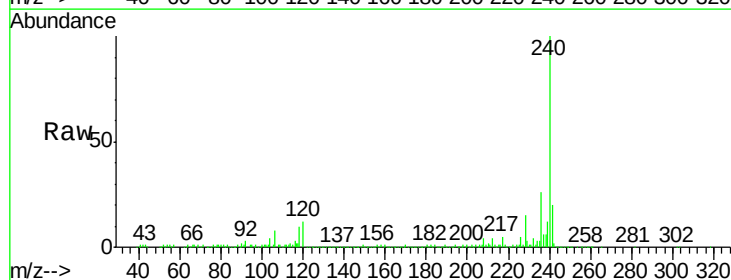
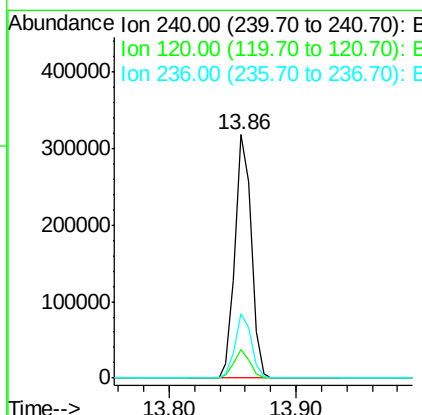
RT: 13.86 min Scan# 2001

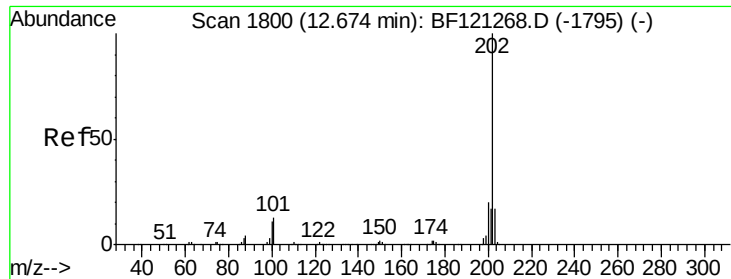
Delta R.T. -0.02 min

Lab File: BF121298.D

Acq: 14 Aug 2020 21:57

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
240	100		280585		
120	11.7	9.2	13.8		
236	26.4	21.0	31.4		





#78

Pvrene

Concen: 12.510 ng

RT: 12.66 min Scan# 1798

Delta R.T. -0.01 min

Lab File: BF121298.D

Acq: 14 Aug 2020 21:57

Instrument :

BNA_F

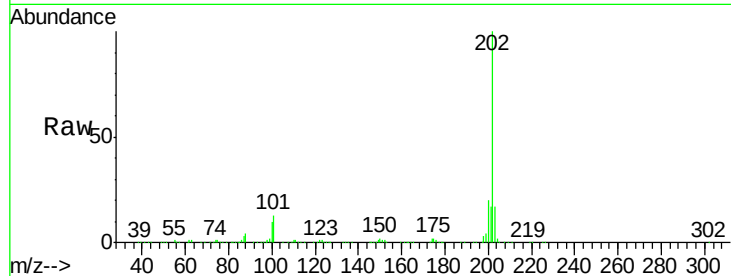
ClientSampleId :

TP-1

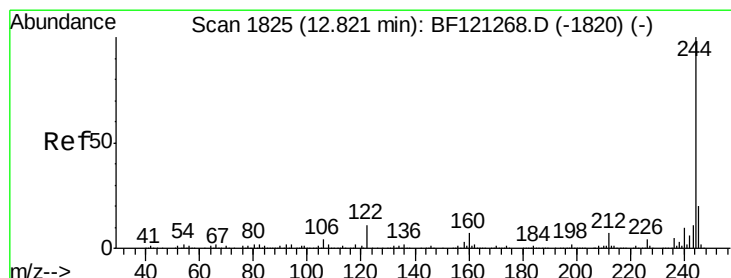
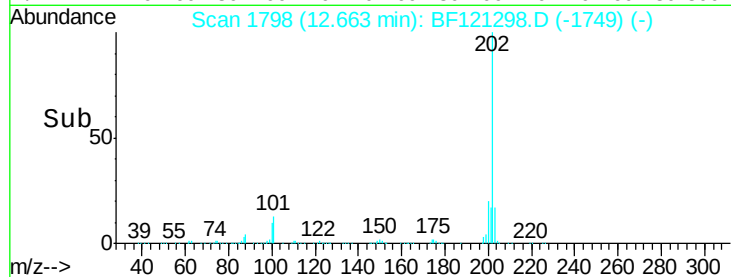
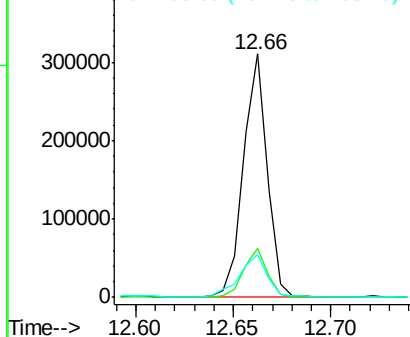
Tot Ion:202	Resp:	261393
Ion Ratio	Lower	Upper
202 100		
200 20.2	16.3	24.5
203 17.3	13.8	20.8

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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: 8.385 ng

RT: 12.80 min Scan# 1822

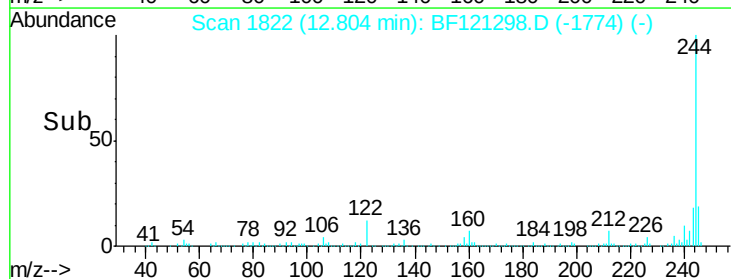
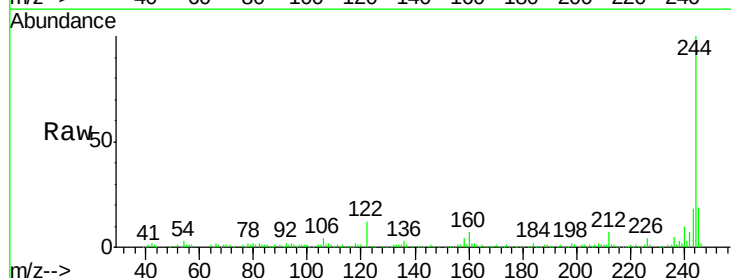
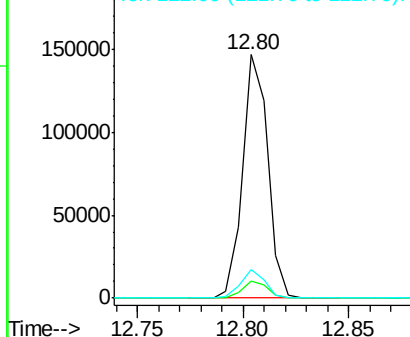
Delta R.T. -0.02 min

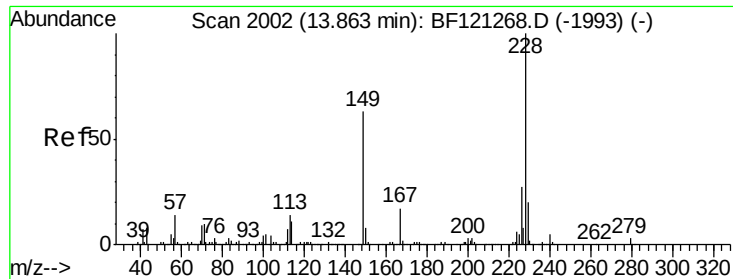
Lab File: BF121298.D

Acq: 14 Aug 2020 21:57

Tgt Ion:244	Resp:	120695
Ion Ratio	Lower	Upper
244 100		
212 6.9	5.5	8.3
122 11.7	9.1	13.7

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: 6.635 ng

RT: 13.85 min Scan# 2000

Delta R.T. -0.01 min

Lab File: BF121298.D

Acq: 14 Aug 2020 21:57

Instrument :

BNA_F

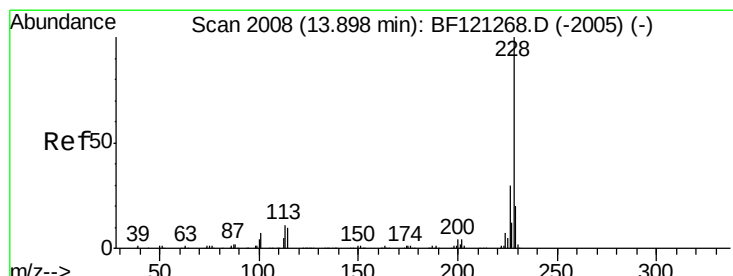
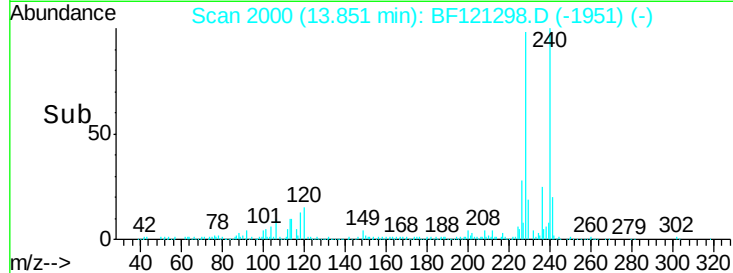
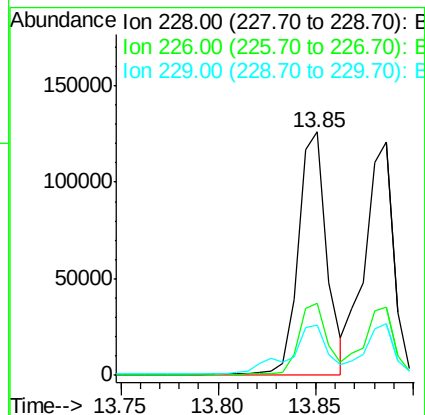
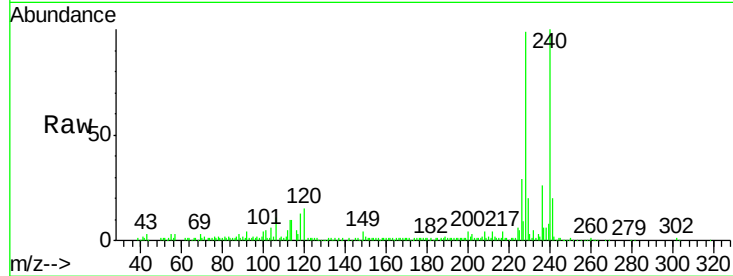
ClientSampled :

TP-1

Tot Ion:	228	Resp:	126261
Ion Ratio	Lower	Upper	
228	100		
226	29.4	22.0	33.0
229	20.7	16.0	24.0

Manual Integrations
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#83

Chrysene

Concen: 6.367 ng

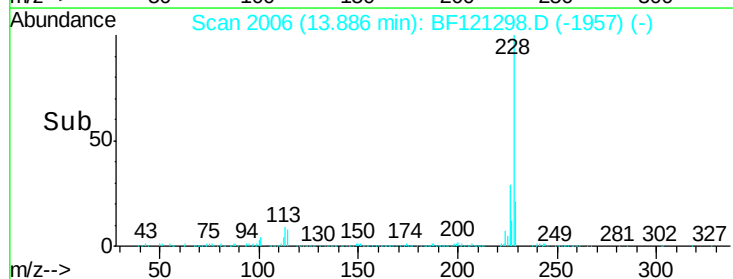
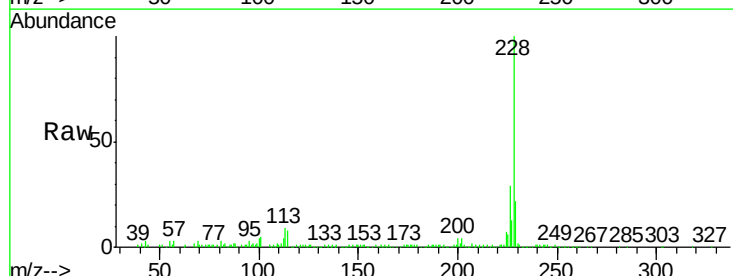
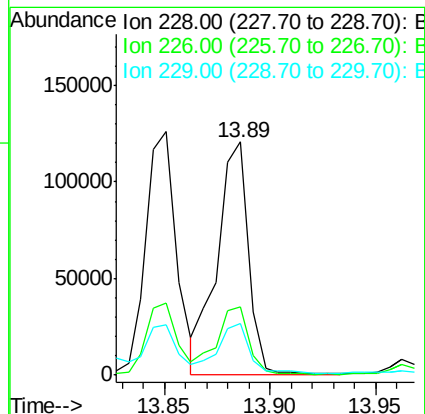
RT: 13.89 min Scan# 2006

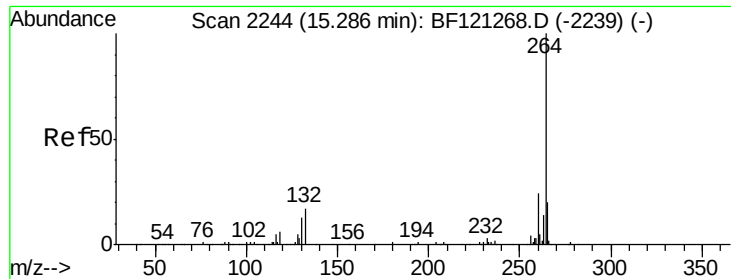
Delta R.T. -0.01 min

Lab File: BF121298.D

Acq: 14 Aug 2020 21:57

Tgt Ion:	228	Resp:	123717
Ion Ratio	Lower	Upper	
228	100		
226	29.2	24.8	37.2
229	22.0	16.2	24.2





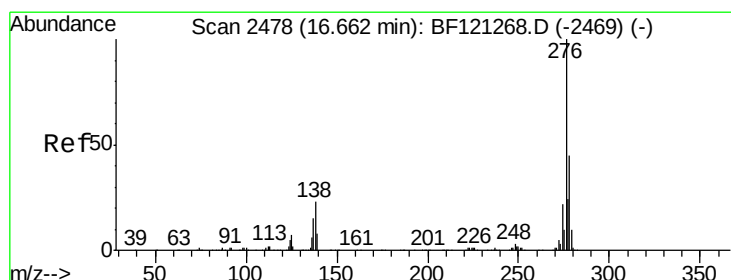
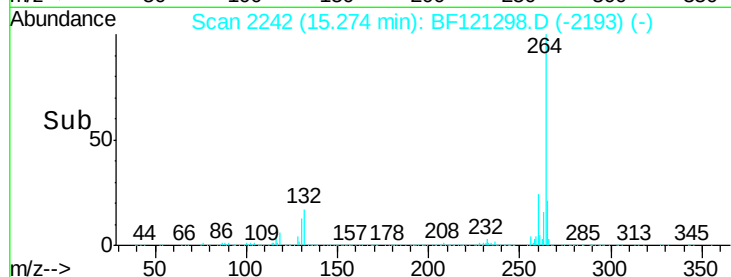
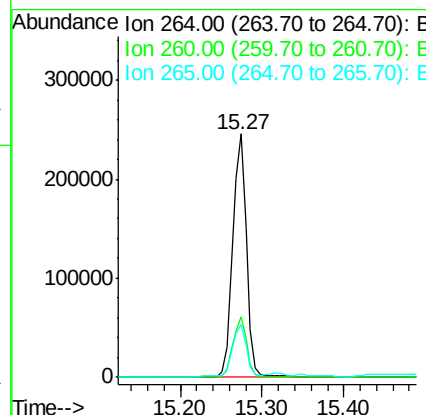
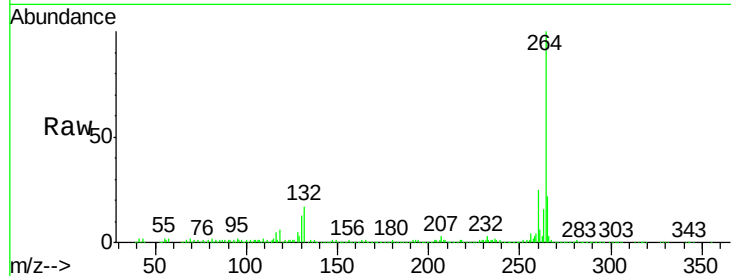
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.27 min Scan# 2242
Delta R.T. -0.01 min
Lab File: BF121298.D
Acq: 14 Aug 2020 21:57

Instrument :
BNA_F
ClientSampleId :
TP-1

Tot Ion	Ratio	Resp	Lower	Upper
264	100	283361		
260	24.7	19.5	29.3	
265	21.5	17.1	25.7	

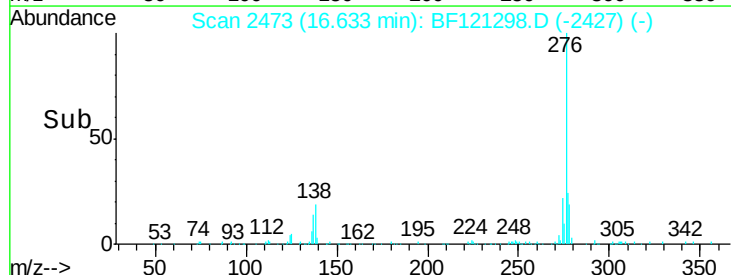
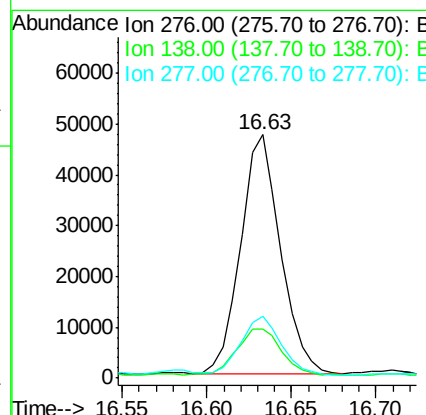
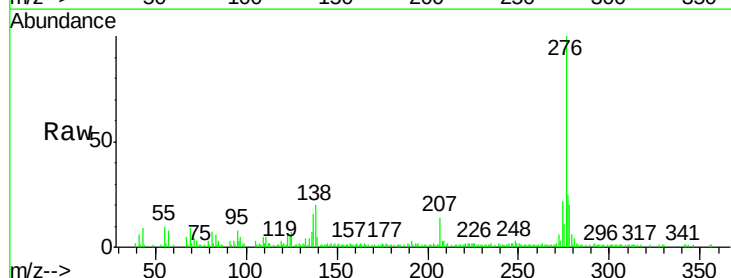
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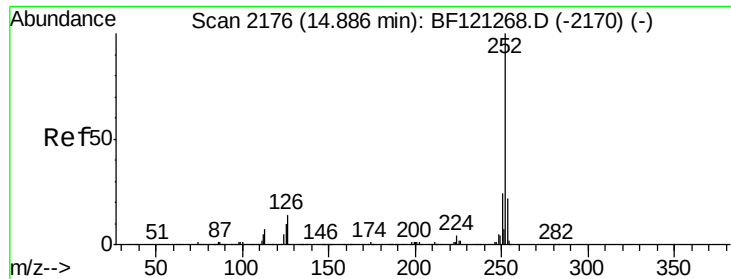
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#87
Indeno(1,2,3-cd)pyrene
Concen: 3.673 ng
RT: 16.63 min Scan# 2473
Delta R.T. -0.03 min
Lab File: BF121298.D
Acq: 14 Aug 2020 21:57

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	77371		
138	21.9	19.6	29.4	
277	25.0	20.0	30.0	





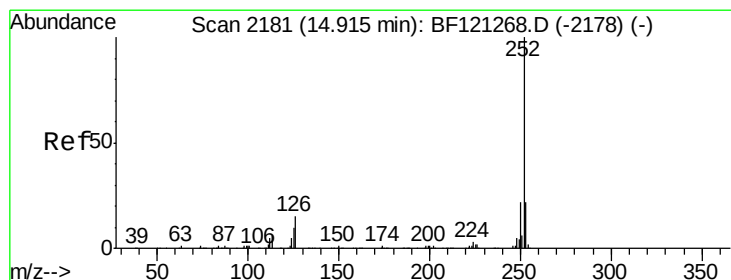
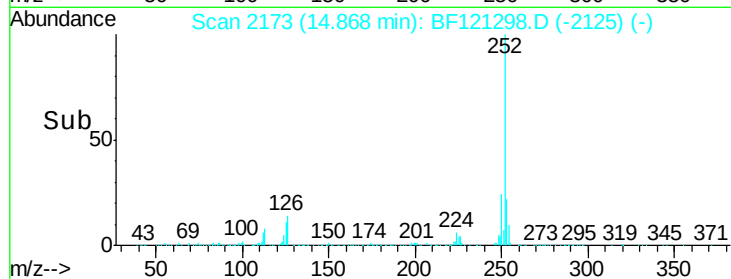
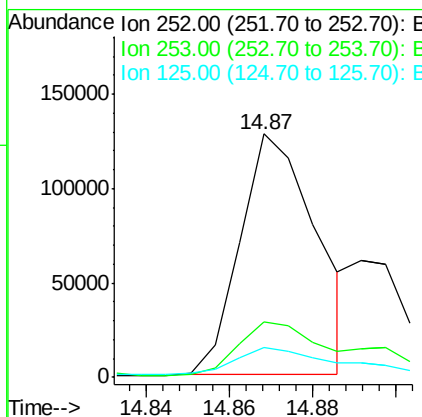
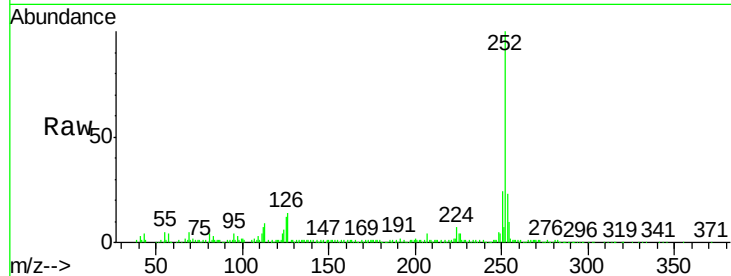
#88
Benzo(b)fluoranthene
Concen: 8.598 ng m
RT: 14.87 min Scan# 2173
Delta R.T. -0.02 min
Lab File: BF121298.D
Acq: 14 Aug 2020 21:57

Instrument :
BNA_F
ClientSampleId :
TP-1

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.9	26.9
125	12.2	7.6	11.4

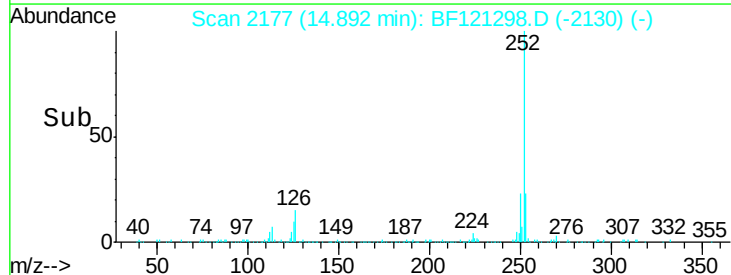
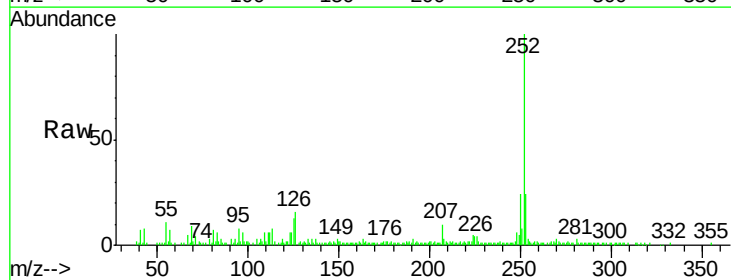
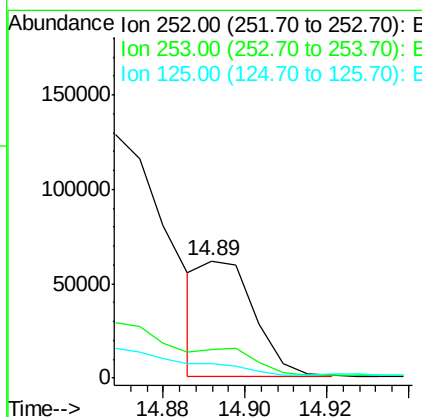
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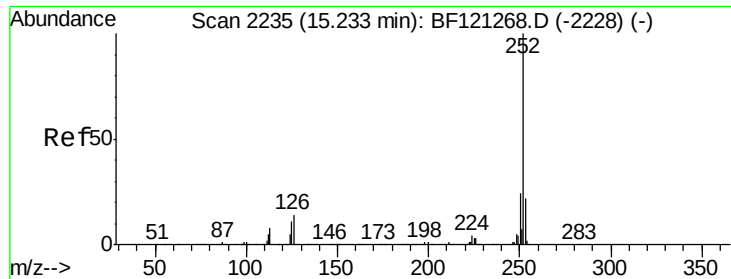
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#89
Benzo(k)fluoranthene
Concen: 3.137 ng m
RT: 14.89 min Scan# 2177
Delta R.T. -0.02 min
Lab File: BF121298.D
Acq: 14 Aug 2020 21:57

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.0	18.0	27.0
125	12.8	8.8	13.2





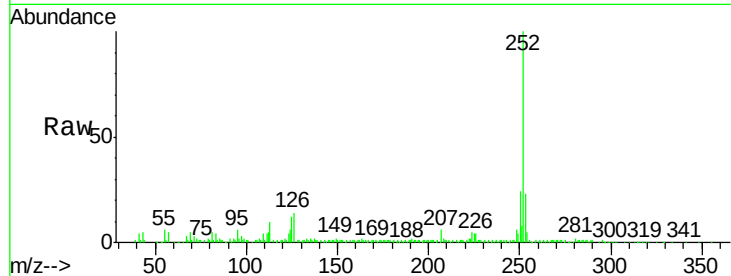
#90
Benzo(a)pyrene
Concen: 6.579 ng
RT: 15.22 min Scan# 2232
Delta R.T. -0.02 min
Lab File: BF121298.D
Acq: 14 Aug 2020 21:57

Instrument :
BNA_F
ClientSampleId :
TP-1

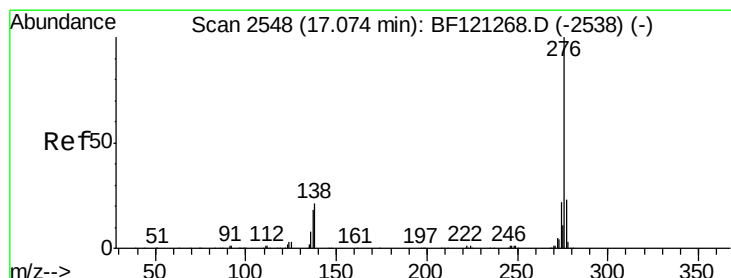
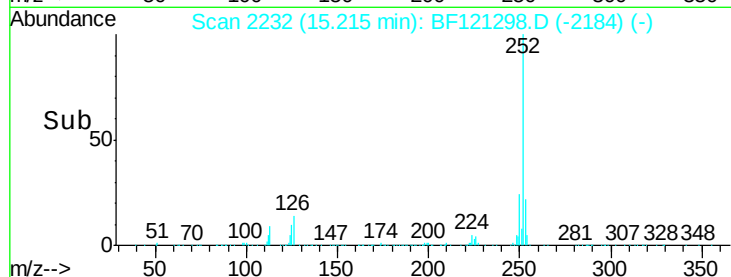
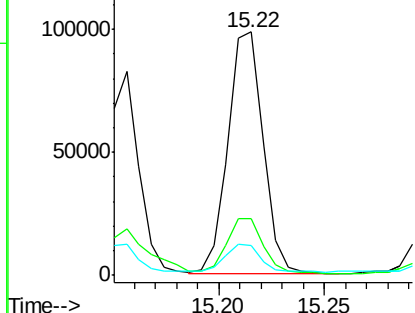
Tot Ion:	252	Resp:	112749
Ion Ratio	Lower	Upper	
252	100		
253	23.2	18.0	27.0
125	12.0	9.3	13.9

Manual Integrations
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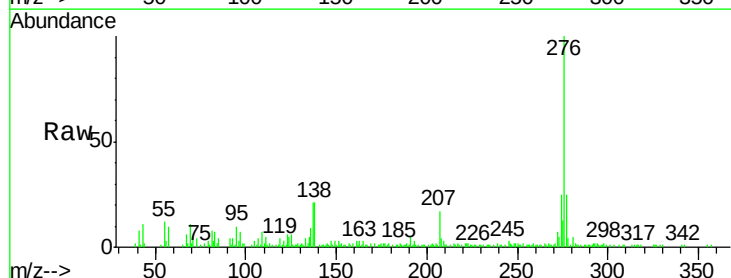


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#92
Benzo(g,h,i)perylene
Concen: 4.142 ng
RT: 17.04 min Scan# 2543
Delta R.T. -0.03 min
Lab File: BF121298.D
Acq: 14 Aug 2020 21:57

Tgt Ion:	276	Resp:	73783
Ion Ratio	Lower	Upper	
276	100		
277	25.0	19.1	28.7
138	21.4	16.2	24.2



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

