

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100520\
 Data File : BF121824.D
 Acq On : 5 Oct 2020 18:47
 Operator : JU/CG
 Sample : L4247-07
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 DUP-4

Manual Integrations
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mohammad
 10/7/2020 10:36:08 AM

Quant Time: Oct 06 00:33:44 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 01 14:29:14 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.76	152	100101	20.00	ng	0.00
21) Naphthalene-d8	8.05	136	381555	20.00	ng	-0.01
39) Acenaphthene-d10	9.80	164	181639	20.00	ng	-0.01
64) Phenanthrene-d10	11.28	188	296646	20.00	ng	-0.01
76) Chrysene-d12	13.92	240	232510	20.00	ng	-0.01
86) Perylene-d12	15.36	264	248677	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.38	112	644064	95.62	ng	0.00
7) Phenol-d6	6.40	99	801396	90.69	ng	-0.01
23) Nitrobenzene-d5	7.33	82	543360	76.46	ng	-0.01
42) 2,4,6-Tribromophenol	10.59	330	198692	88.01	ng	-0.02
45) 2-Fluorobiphenyl	9.12	172	863097	71.97	ng	-0.01
79) Terphenyl-d14	12.86	244	715375	62.33	ng	-0.02
Target Compounds						
50) Dimethylphthalate	9.52	163	98792	7.504	ng	99
71) Phenanthrene	11.30	178	83104	5.142	ng	98
75) Fluoranthene	12.49	202	147136	8.528	ng	99
78) Pyrene	12.72	202	138417	8.148	ng	99
81) Benzo(a)anthracene	13.91	228	75486	5.132	ng	98
83) Chrysene	13.94	228	71622	4.808	ng	96
87) Indeno(1,2,3-cd)pyrene	16.77	276	55982	3.457	ng	97
88) Benzo(b)fluoranthene	14.94	252	107763m	6.482	ng	
90) Benzo(a)pyrene	15.29	252	75753	5.361	ng	# 94
92) Benzo(g,h,i)perylene	17.19	276	53936	4.070	ng	97

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

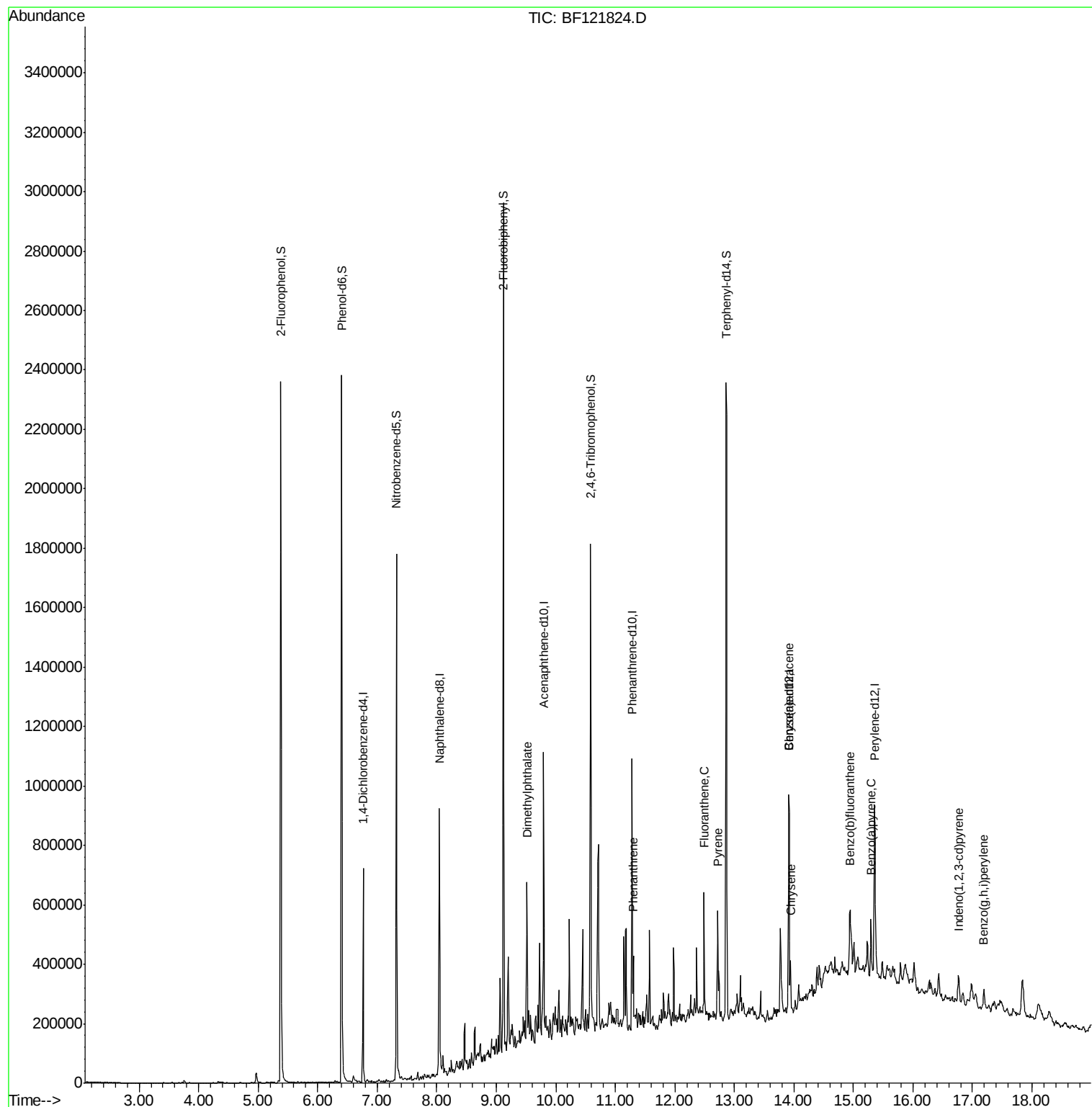
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100520\
Data File : BF121824.D
Acq On : 5 Oct 2020 18:47
Operator : JU/CG
Sample : L4247-07
Misc :
ALS Vial : 7 Sample Multiplier: 1

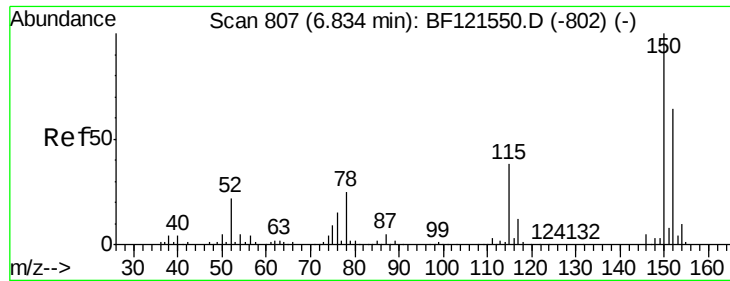
Instrument :
BNA_F
ClientSampleId :
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Quant Time: Oct 06 00:33:44 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 01 14:29:14 2020
Response via : Initial Calibration





#1

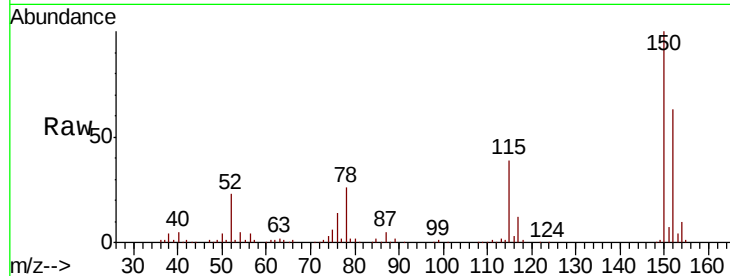
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.76 min Scan# 795
Delta R.T. -0.01 min
Lab File: BF121824.D
Acq: 5 Oct 2020 18:47

Instrument :
BNA_F
ClientSampled :
DUP-4

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.3	125.3	187.9
115	62.6	51.9	77.9

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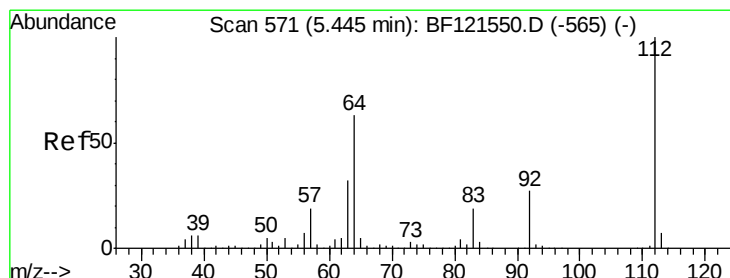
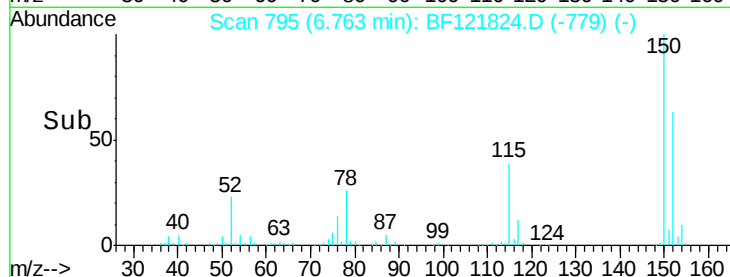
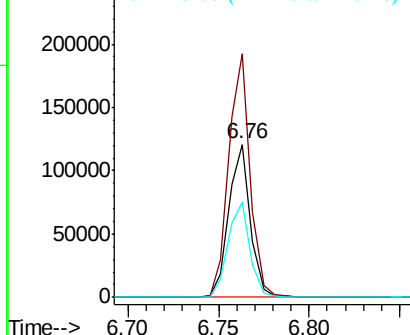


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

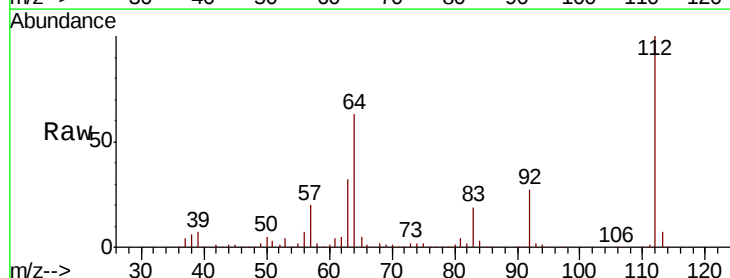
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 95.619 ng
RT: 5.38 min Scan# 560
Delta R.T. -0.01 min
Lab File: BF121824.D
Acq: 5 Oct 2020 18:47

Tgt Ion	Ratio	Lower	Upper
112	100		
64	63.2	50.4	75.6
63	32.3	25.8	38.6

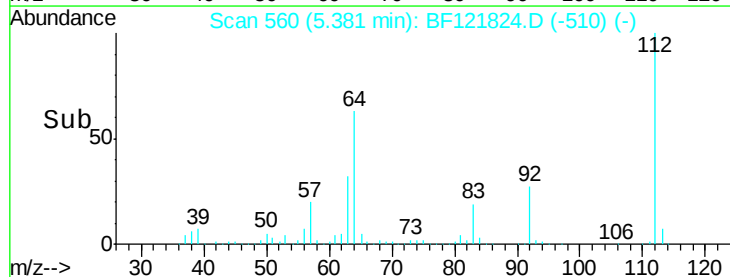
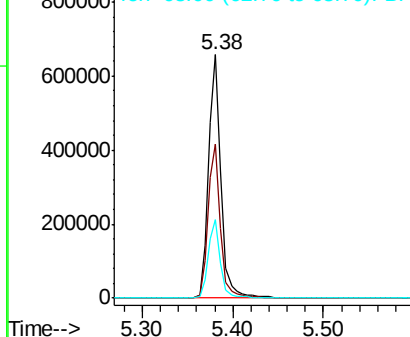


Abundance

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





#7

Phenol-d6

Concen: 90.688 ng

RT: 6.40 min Scan# 734

Delta R.T. -0.01 min

Lab File: BF121824.D

Acq: 5 Oct 2020 18:47

Instrument :

BNA_F

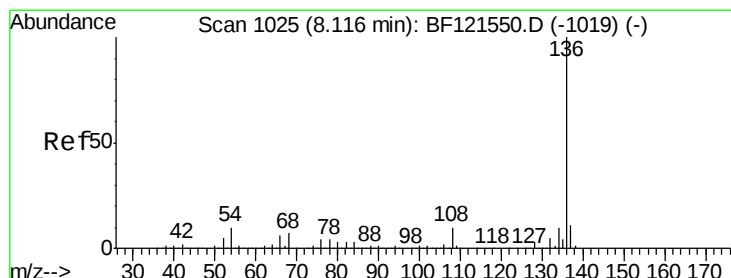
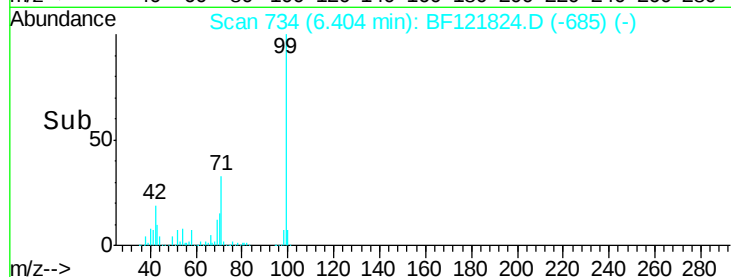
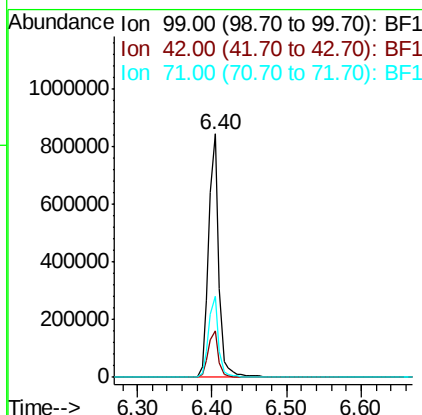
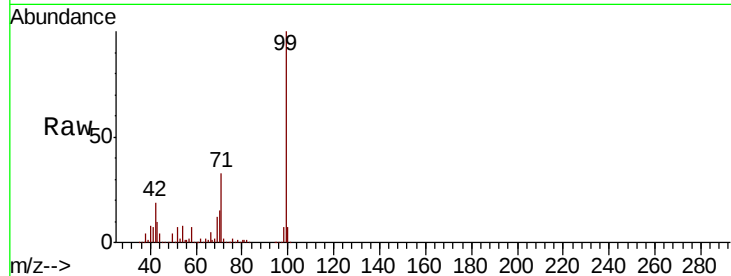
ClientSampleId :

DUP-4

Tot Ion:	99	Resp:	801396
Ion Ratio	Lower	Upper	
99	100		
42	19.2	15.9	23.9
71	33.2	27.1	40.7

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#21

Naphthalene-d8

Concen: 20.000 ng

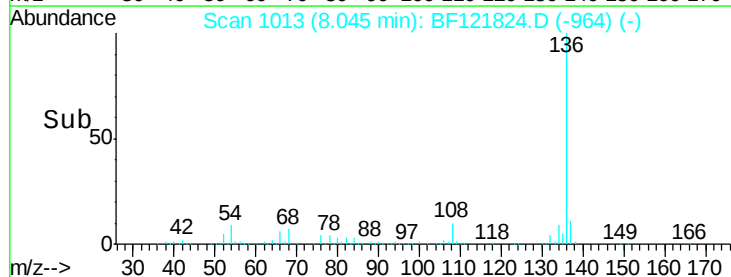
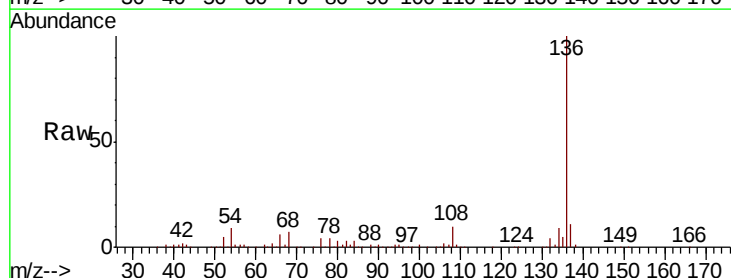
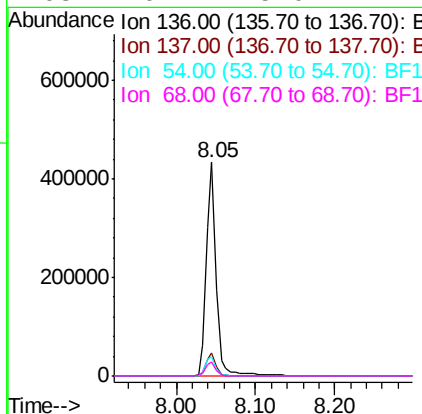
RT: 8.05 min Scan# 1013

Delta R.T. -0.01 min

Lab File: BF121824.D

Acq: 5 Oct 2020 18:47

Tgt Ion:	136	Resp:	381555
Ion Ratio	Lower	Upper	
136	100		
137	10.8	8.6	13.0
54	9.3	7.1	10.7
68	6.7	5.0	7.4





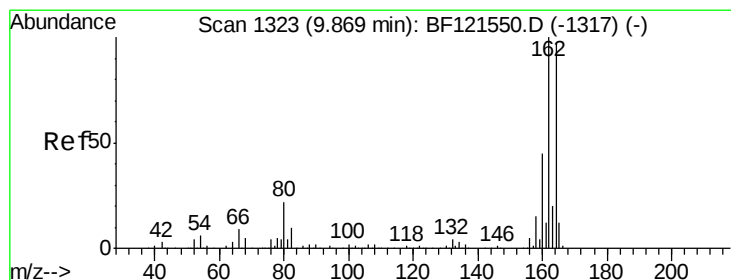
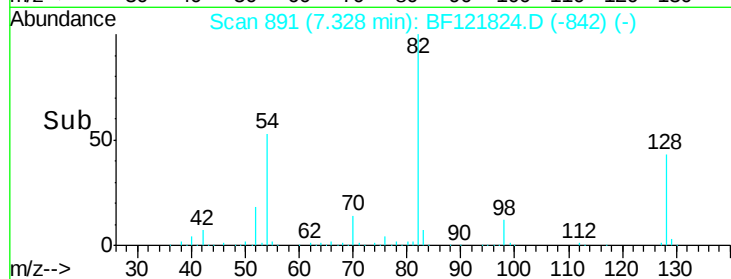
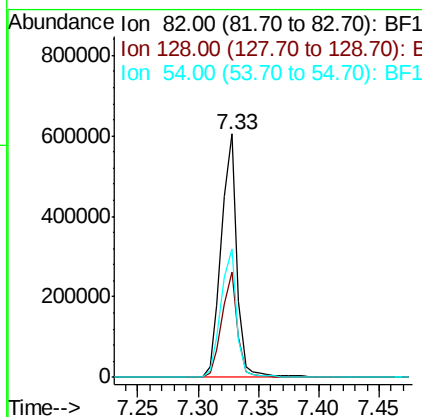
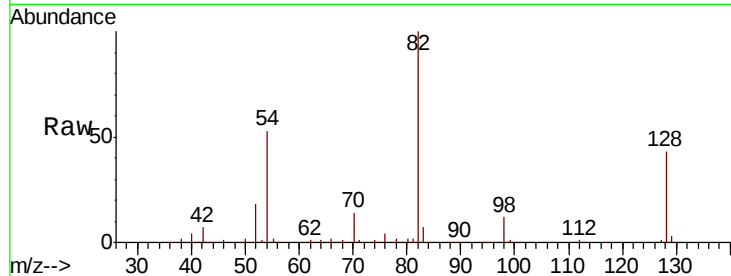
#23
Nitrobenzene-d5
Concen: 76.461 ng
RT: 7.33 min Scan# 891
Delta R.T. -0.01 min
Lab File: BF121824.D
Acq: 5 Oct 2020 18:47

Instrument :
BNA_F
ClientSampled :
DUP-4

Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	43.4	35.0	52.4	
54	52.9	43.9	65.9	

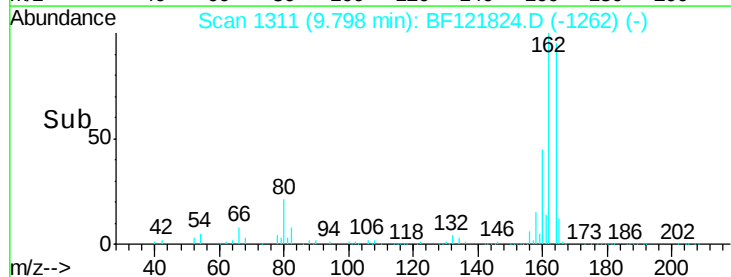
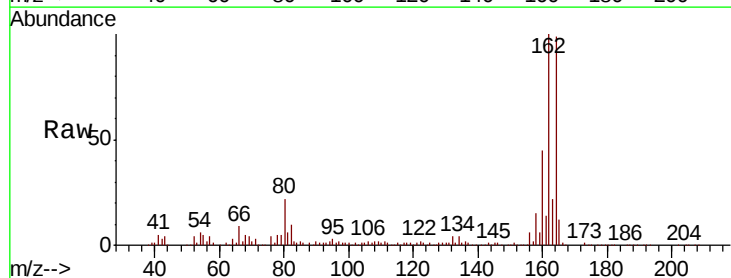
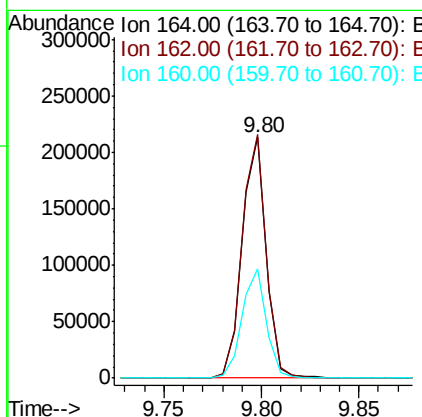
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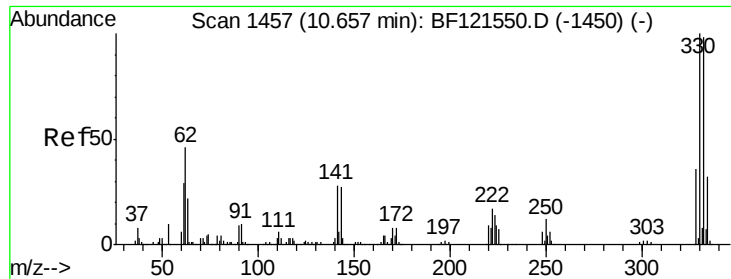
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.80 min Scan# 1311
Delta R.T. -0.01 min
Lab File: BF121824.D
Acq: 5 Oct 2020 18:47

Tgt Ion	Ratio	Resp	Lower	Upper
164	100			
162	101.2	83.2	124.8	
160	45.5	37.5	56.3	





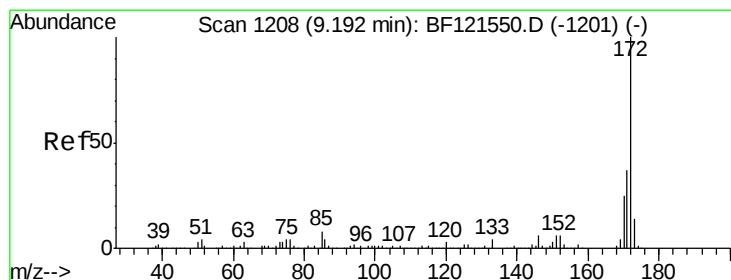
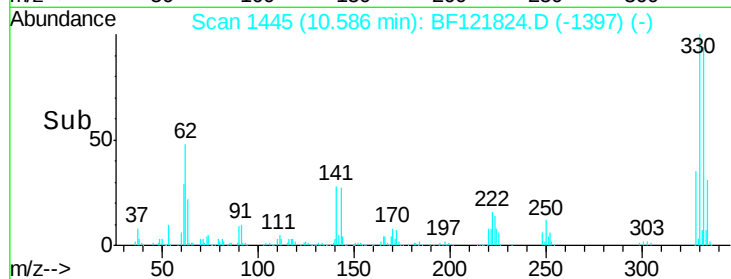
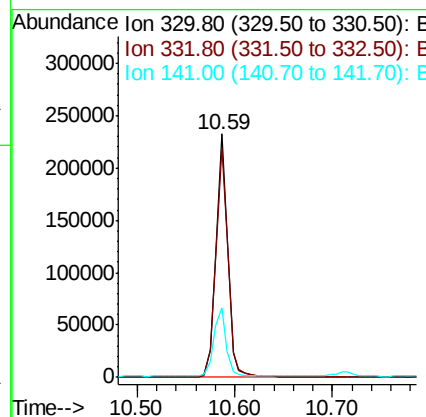
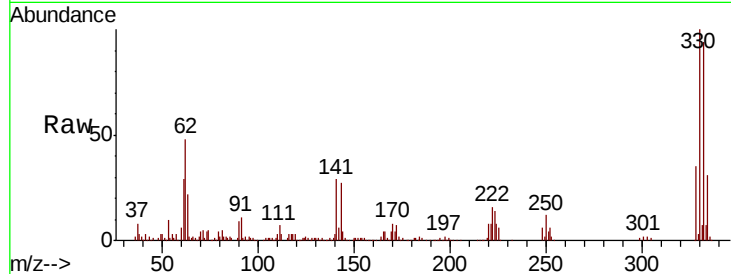
#42
 2,4,6-Tribromophenol
 Concen: 88.013 ng
 RT: 10.59 min Scan# 1445
 Delta R.T. -0.02 min
 Lab File: BF121824.D
 Acq: 5 Oct 2020 18:47

Instrument :
 BNA_F
 ClientSampleId :
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Tot Ion	Ratio	Resp	Lower	Upper
330	100	198692		
332	96.7	77.3	115.9	
141	29.0	22.3	33.5	

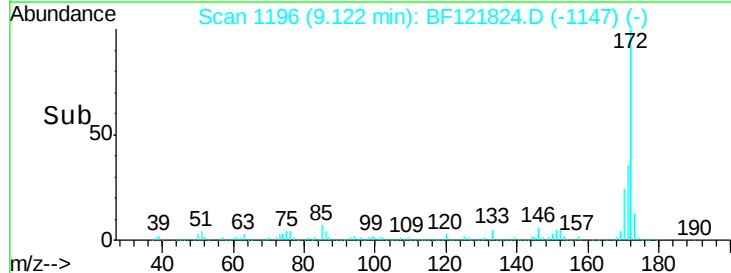
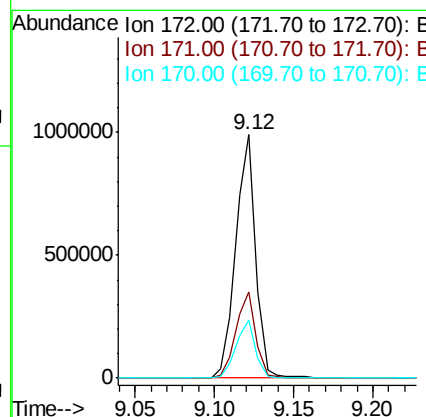
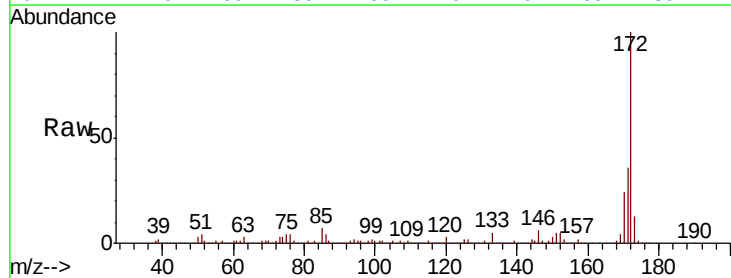
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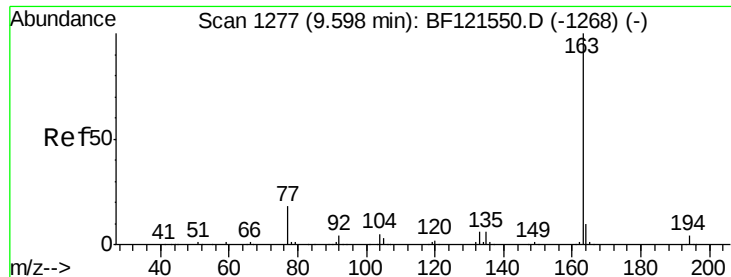
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#45
 2-Fluorobiphenyl
 Concen: 71.966 ng
 RT: 9.12 min Scan# 1196
 Delta R.T. -0.01 min
 Lab File: BF121824.D
 Acq: 5 Oct 2020 18:47

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	863097		
171	35.6	29.1	43.7	
170	24.0	19.8	29.6	





#50

Dimethylphthalate

Concen: 7.504 ng

RT: 9.52 min Scan# 1263

Delta R.T. -0.02 min

Lab File: BF121824.D

Acq: 5 Oct 2020 18:47

Instrument :

BNA_F

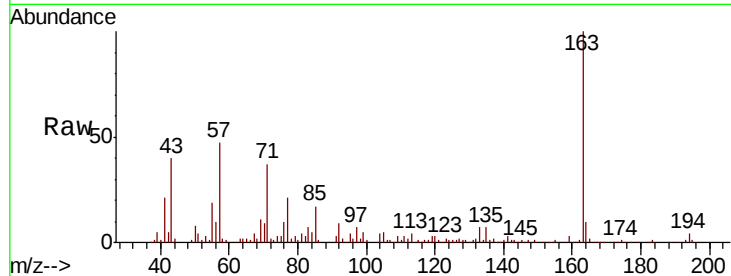
ClientSampleId :

DUP-4

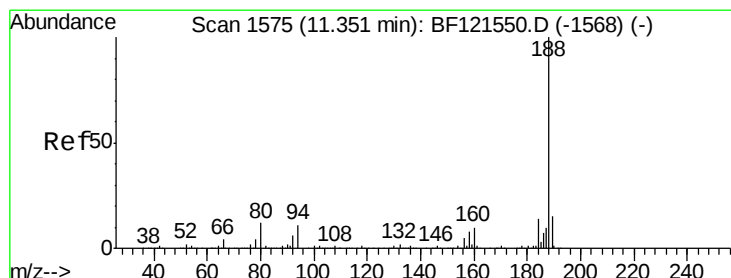
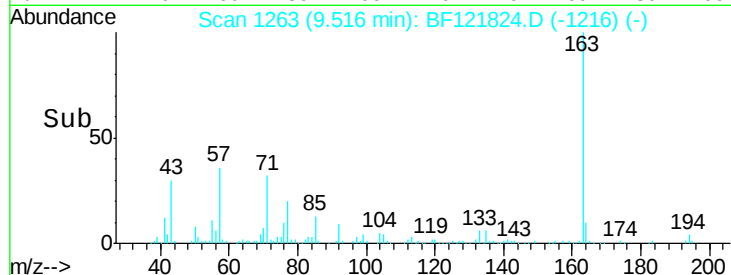
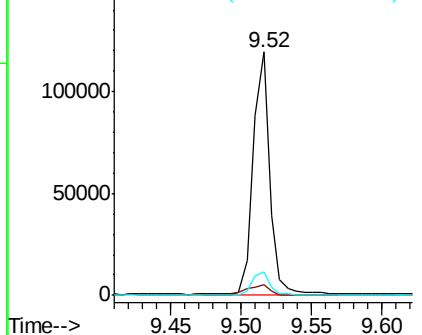
Tot Ion:	163	Resp:	98792
Ion Ratio	Lower	Upper	
163	100		
194	4.3	3.3	4.9
164	9.8	8.2	12.4

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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: 11.28 min Scan# 1563

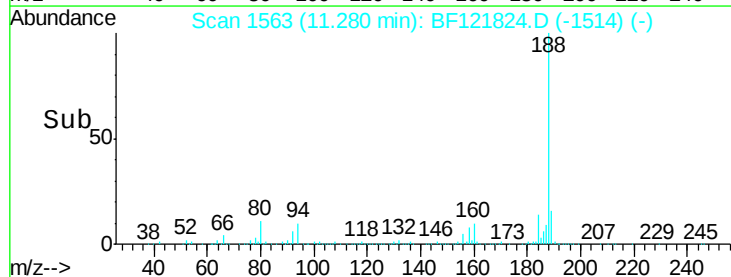
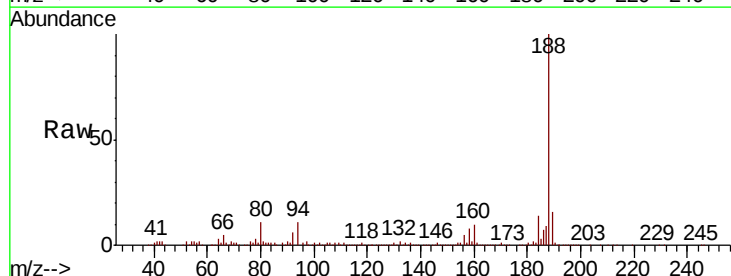
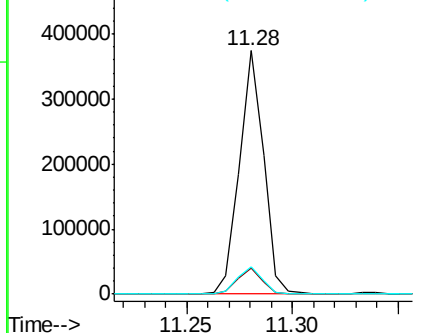
Delta R.T. -0.01 min

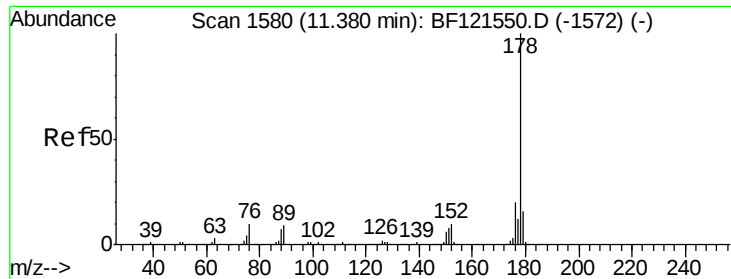
Lab File: BF121824.D

Acq: 5 Oct 2020 18:47

Tgt Ion:	188	Resp:	296646
Ion Ratio	Lower	Upper	
188	100		
94	10.5	8.3	12.5
80	11.4	9.1	13.7

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





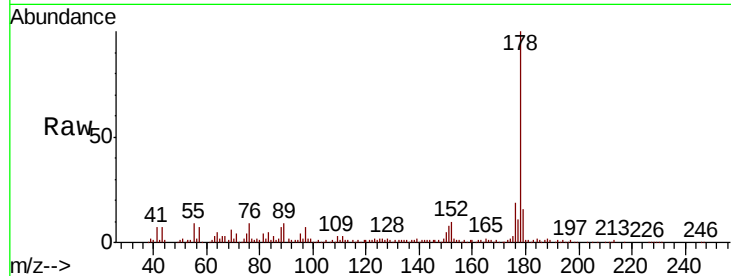
#71
Phenanthrene
Concen: 5.142 ng
RT: 11.30 min Scan# 1567
Delta R.T. -0.02 min
Lab File: BF121824.D
Acq: 5 Oct 2020 18:47

Instrument :
BNA_F
ClientSampleId :
DUP-4

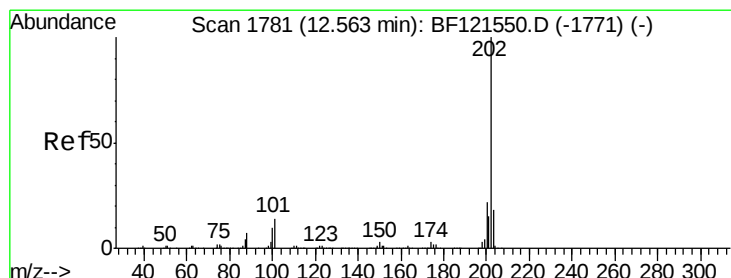
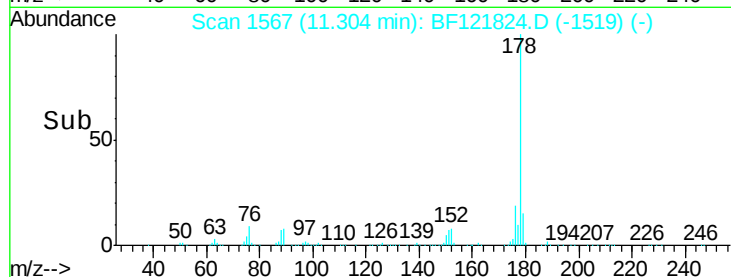
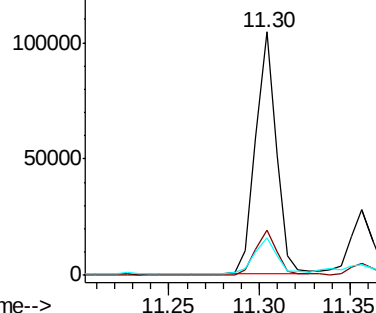
Tot Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.9	23.9
179	15.5	12.2	18.4

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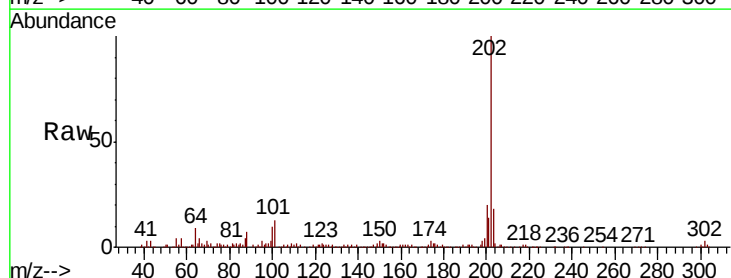


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

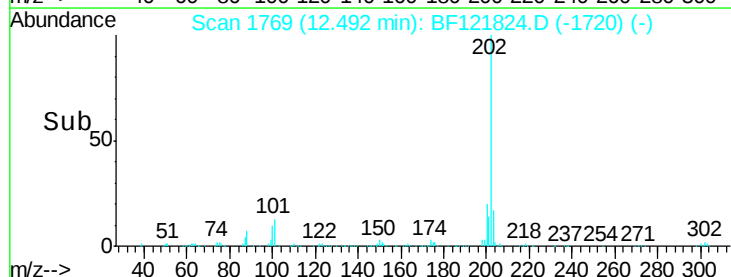
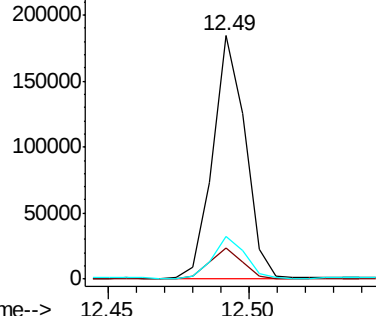


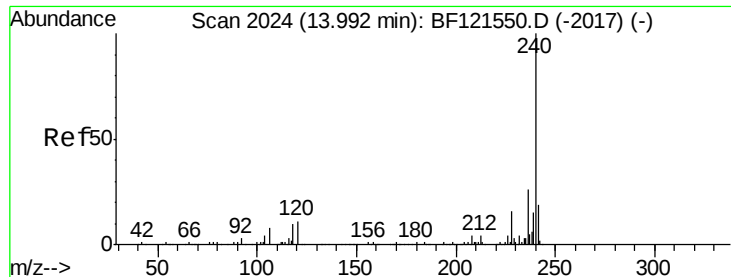
#75
Fluoranthene
Concen: 8.528 ng
RT: 12.49 min Scan# 1769
Delta R.T. -0.01 min
Lab File: BF121824.D
Acq: 5 Oct 2020 18:47

Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.0	0.0	33.4
203	17.7	0.0	37.9



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





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.92 min Scan# 2012

Delta R.T. -0.01 min

Lab File: BF121824.D

Acq: 5 Oct 2020 18:47

Instrument :

BNA_F

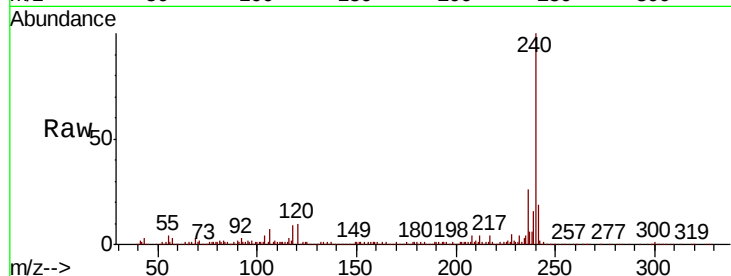
ClientSampleId :

DUP-4

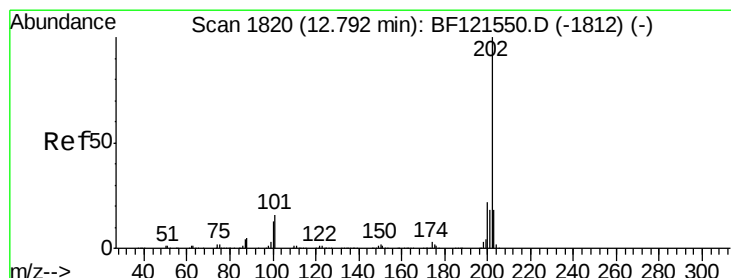
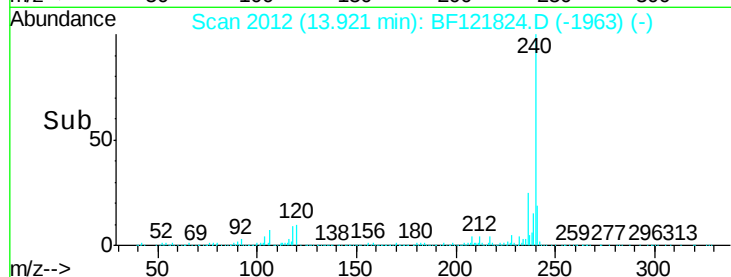
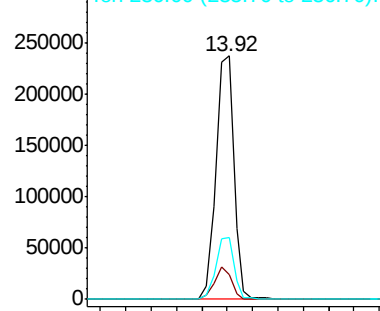
Tot Ion:	240	Resp:	232510
Ion Ratio	Lower	Upper	
240	100		
120	10.3	9.2	13.8
236	25.6	20.9	31.3

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Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E



#78

Pyrene

Concen: 8.148 ng

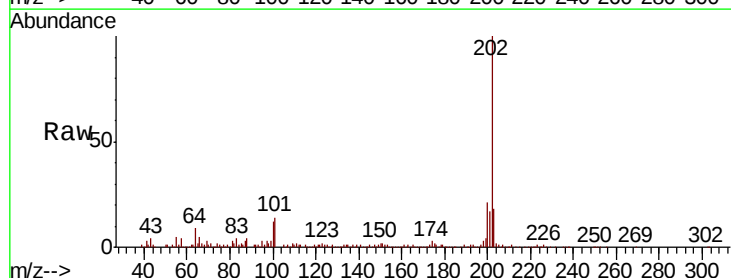
RT: 12.72 min Scan# 1808

Delta R.T. -0.01 min

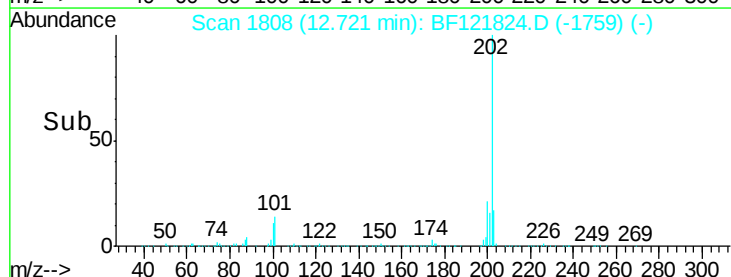
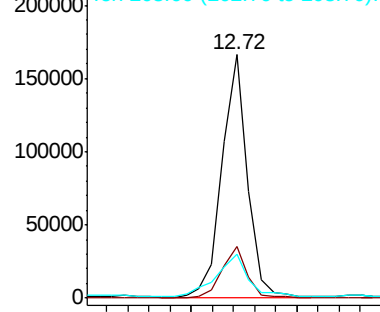
Lab File: BF121824.D

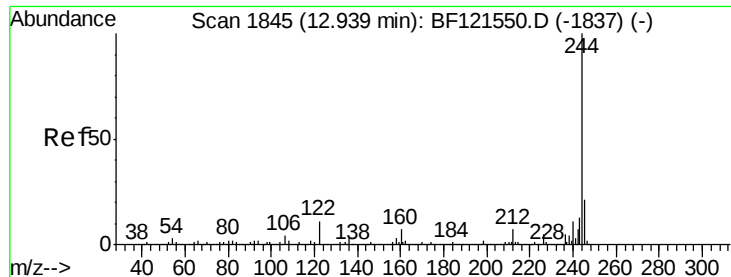
Acq: 5 Oct 2020 18:47

Tgt Ion:	202	Resp:	138417
Ion Ratio	Lower	Upper	
202	100		
200	21.0	17.4	26.2
203	17.9	14.6	21.8



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





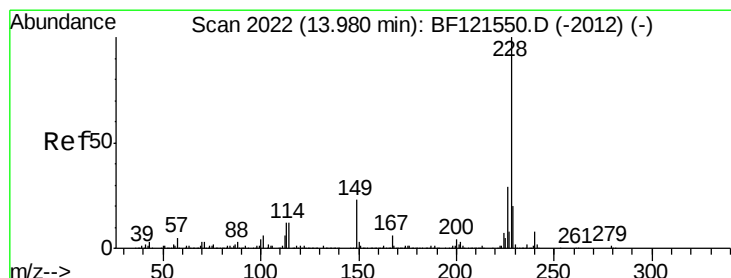
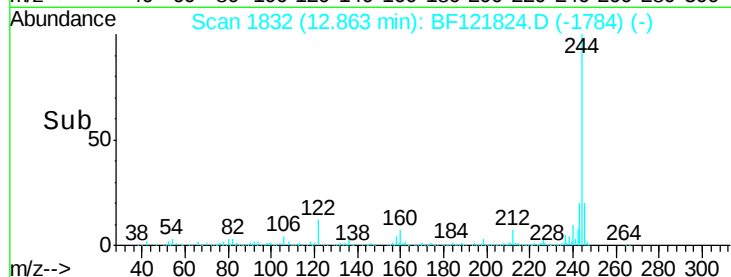
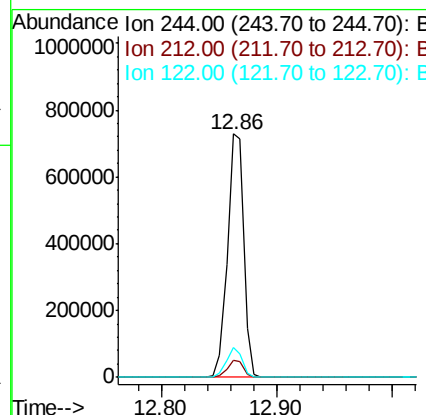
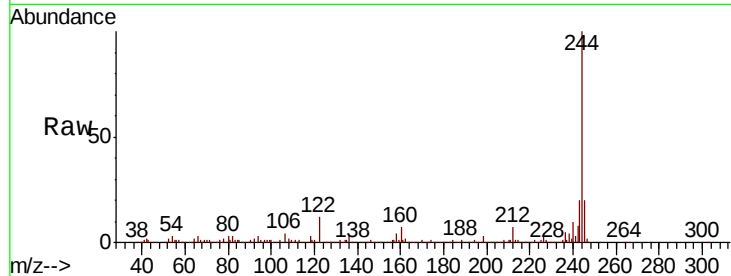
#79
 Terphenyl-d14
 Concen: 62.332 ng
 RT: 12.86 min Scan# 1832
 Delta R.T. -0.02 min
 Lab File: BF121824.D
 Acq: 5 Oct 2020 18:47

Instrument :
 BNA_F
 ClientSampled :
 DUP-4

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.4	8.2
122	12.4	8.1	12.1

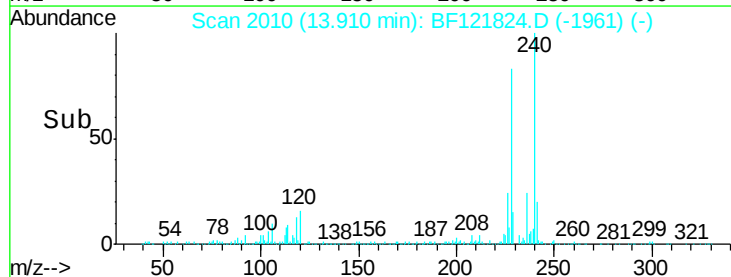
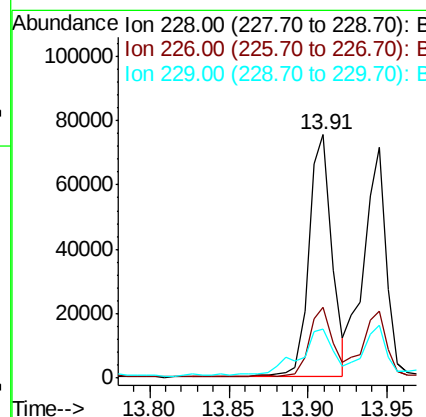
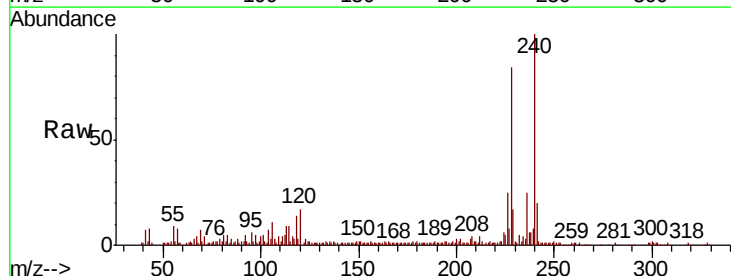
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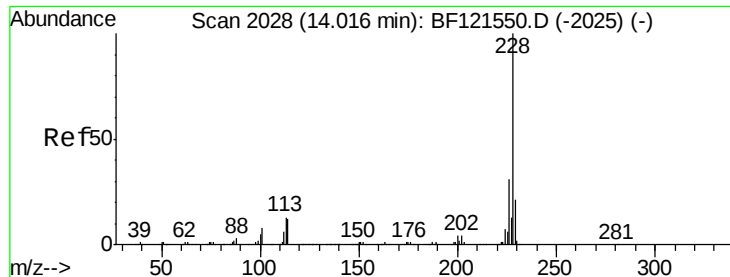
mohammad
 10/7/2020 10:36:08 AM



#81
 Benzo(a)anthracene
 Concen: 5.132 ng
 RT: 13.91 min Scan# 2010
 Delta R.T. -0.01 min
 Lab File: BF121824.D
 Acq: 5 Oct 2020 18:47

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.2	22.3	33.5
229	20.1	16.2	24.4





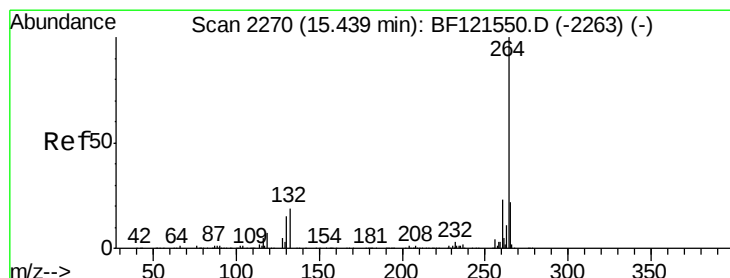
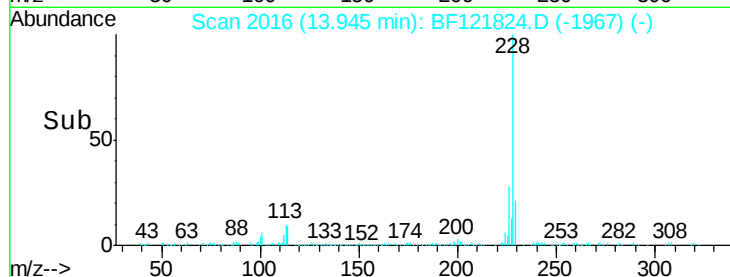
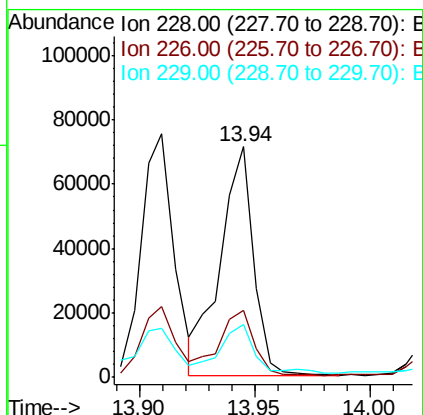
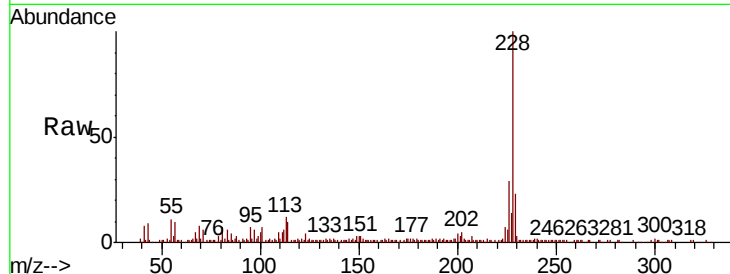
#83
Chrysene
Concen: 4.808 ng
RT: 13.94 min Scan# 2016
Delta R.T. -0.01 min
Lab File: BF121824.D
Acq: 5 Oct 2020 18:47

Instrument :
BNA_F
ClientSampled :
DUP-4

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.1	24.6	37.0
229	22.7	15.9	23.9

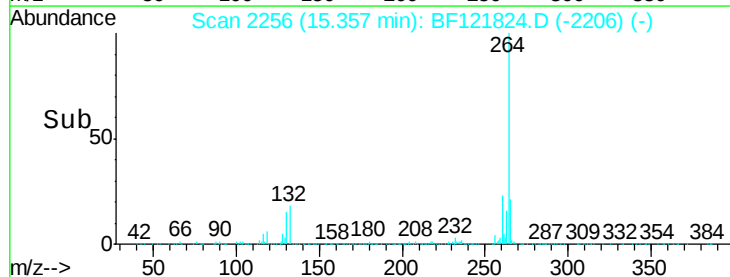
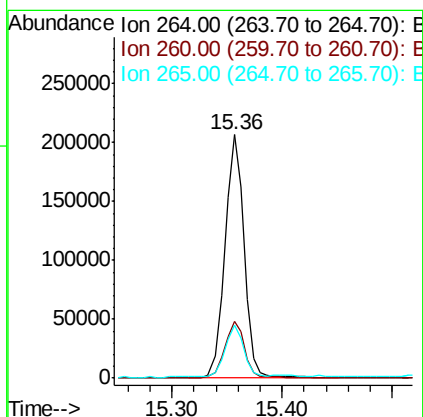
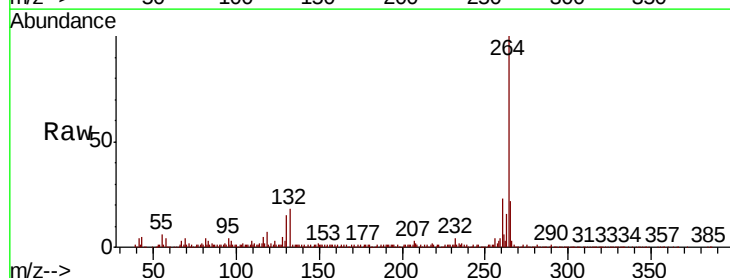
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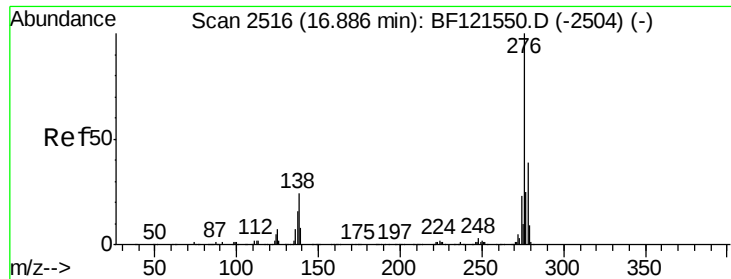
mohammad
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#86
Perylene-d12
Concen: 20.000 ng
RT: 15.36 min Scan# 2256
Delta R.T. -0.01 min
Lab File: BF121824.D
Acq: 5 Oct 2020 18:47

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.4	18.7	28.1
265	21.7	17.3	25.9





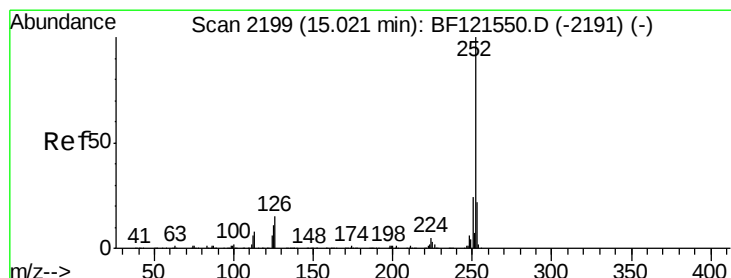
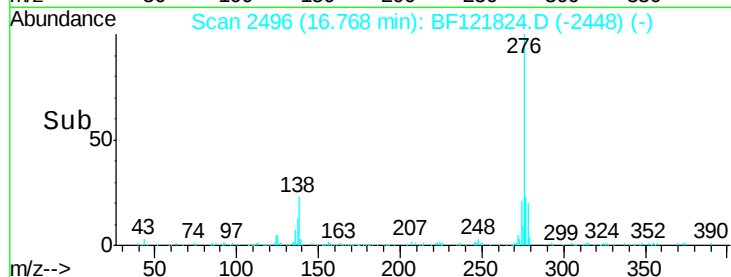
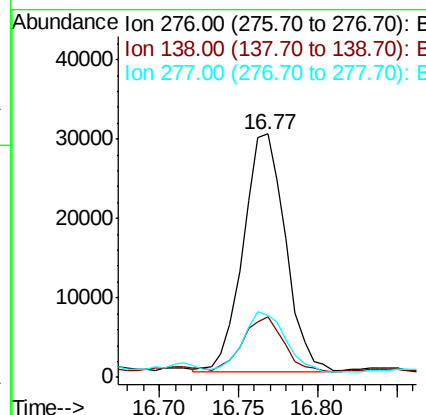
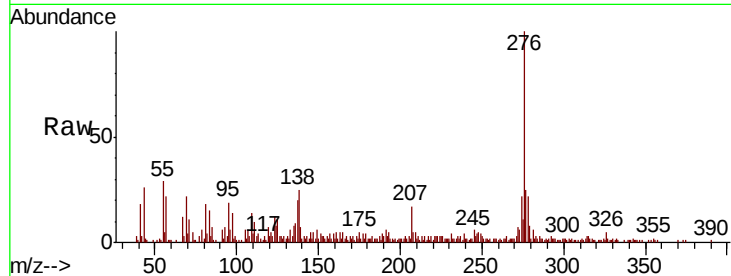
#87
 Indeno(1,2,3-cd)pyrene
 Concen: 3.457 ng
 RT: 16.77 min Scan# 2496
 Delta R.T. -0.02 min
 Lab File: BF121824.D
 Acq: 5 Oct 2020 18:47

Instrument :
 BNA_F
 ClientSampleId :
 DUP-4

Tot Ion	Ratio	Lower	Upper
276	100		
138	22.4	19.9	29.9
277	24.6	20.4	30.6

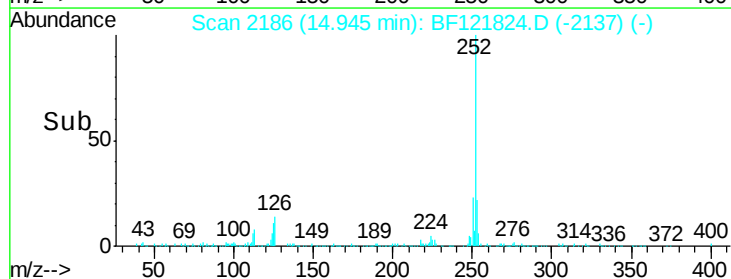
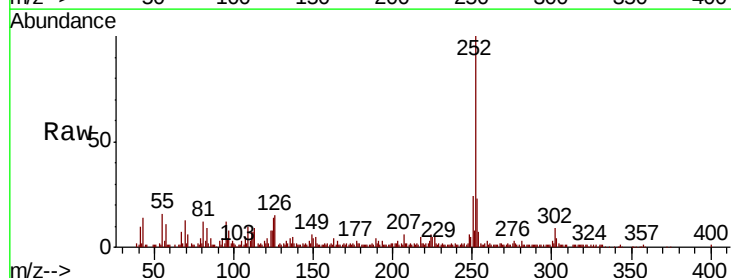
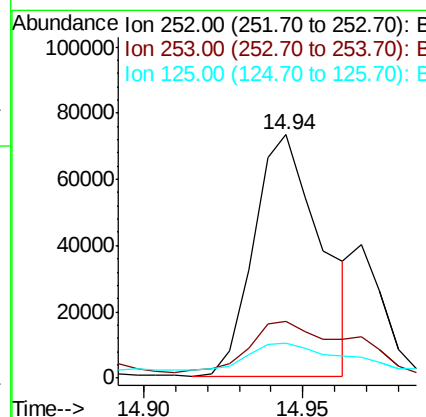
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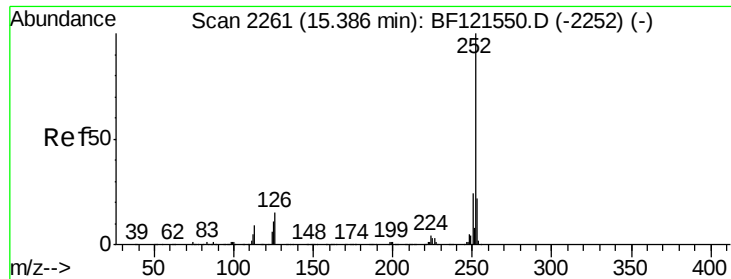
mohammad
 10/7/2020 10:36:08 AM



#88
 Benzo(b)fluoranthene
 Concen: 6.482 ng m
 RT: 14.94 min Scan# 2186
 Delta R.T. -0.01 min
 Lab File: BF121824.D
 Acq: 5 Oct 2020 18:47

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.2	18.2	27.2
125	14.2	8.0	12.0#





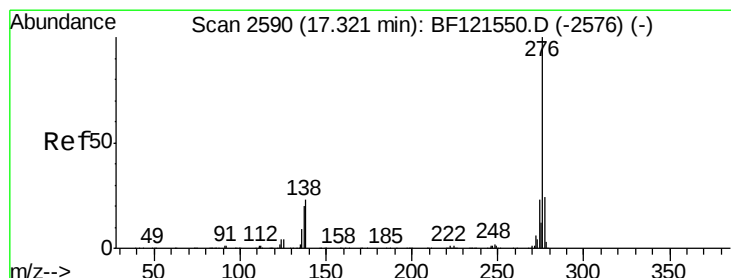
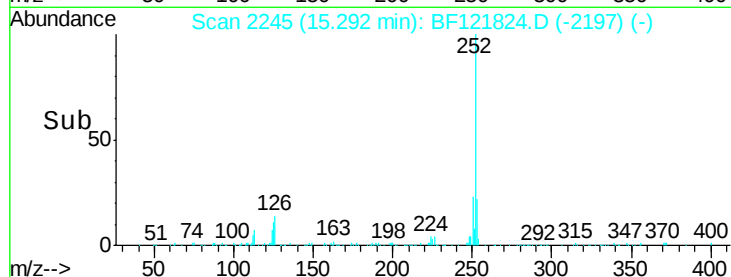
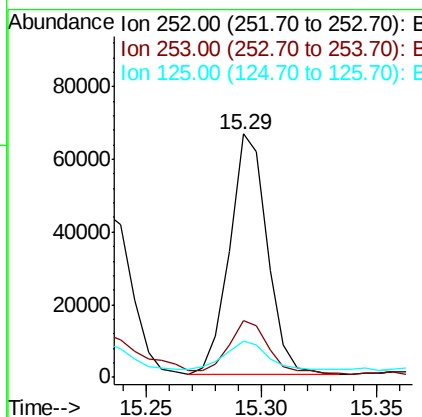
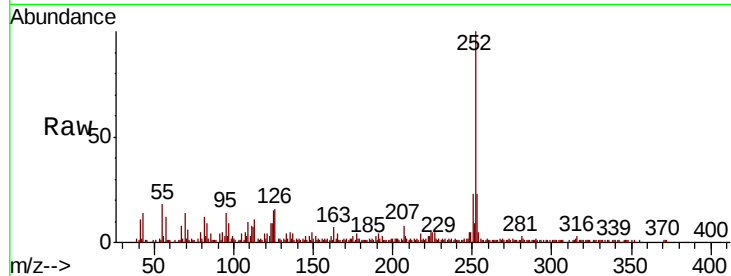
#90
Benzo(a)pyrene
Concen: 5.361 ng
RT: 15.29 min Scan# 2245
Delta R.T. -0.02 min
Lab File: BF121824.D
Acq: 5 Oct 2020 18:47

Instrument :
BNA_F
ClientSampleId :
DUP-4

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.3	25.9
125	14.9	8.6	13.0

Manual Integrations
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#92
Benzo(g,h,i)perylene
Concen: 4.070 ng
RT: 17.19 min Scan# 2568
Delta R.T. -0.02 min
Lab File: BF121824.D
Acq: 5 Oct 2020 18:47

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.1	19.4	29.2
138	24.0	17.8	26.6

