

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102620\
 Data File : BF122120.D
 Acq On : 26 Oct 2020 17:38
 Operator : JU/CG
 Sample : L4494-01
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 AB-EH

Manual Integrations
 APPROVED

Quant Time: Oct 26 18:14:34 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101220.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 26 17:27:32 2020
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.710	152	104531	20.00	ng	0.00
21) Naphthalene-d8	7.998	136	413205	20.00	ng	0.00
39) Acenaphthene-d10	9.745	164	214133	20.00	ng	0.00
64) Phenanthrene-d10	11.233	188	394224	20.00	ng	0.00
76) Chrysene-d12	13.880	240	251644	20.00	ng	0.00
86) Perylene-d12	15.310	264	231261	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.340	112	603559	85.22	ng	0.00
7) Phenol-d6	6.363	99	775368	85.05	ng	0.00
23) Nitrobenzene-d5	7.281	82	553872	68.74	ng	0.00
42) 2,4,6-Tribromophenol	10.539	330	184230	69.55	ng	0.00
45) 2-Fluorobiphenyl	9.069	172	943951	64.86	ng	0.00
79) Terphenyl-d14	12.822	244	930645	70.48	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.016	128	63466	2.87	ng	99
50) Dimethylphthalate	9.469	163	163296	10.43	ng	99
52) Acenaphthene	9.781	154	80948	6.54	ng	98
55) Dibenzofuran	9.951	168	64233	3.55	ng	98
58) Fluorene	10.292	166	68517	4.70	ng	99
71) Phenanthrene	11.263	178	1157222	53.54	ng	99
72) Anthracene	11.310	178	276687	12.34	ng	99
73) Carbazole	11.469	167	98712	4.95	ng	100
75) Fluoranthene	12.457	202	1427789	61.60	ng	97
78) Pyrene	12.680	202	1294502	67.50	ng	99
81) Benzo(a)anthracene	13.869	228	571619	34.66	ng	100
83) Chrysene	13.904	228	473787	29.27	ng	98
87) Indeno(1,2,3-cd)pyrene	16.710	276	271892	18.11	ng	93
88) Benzo(b)fluoranthene	14.904	252	575765m	36.83	ng	
89) Benzo(k)fluoranthene	14.927	252	140054m	9.43	ng	
90) Benzo(a)pyrene	15.251	252	407968	30.22	ng	97
91) Dibenzo(a,h)anthracene	16.710	278	67394m	5.45	ng	
92) Benzo(g,h,i)perylene	17.133	276	275822	22.29	ng	98

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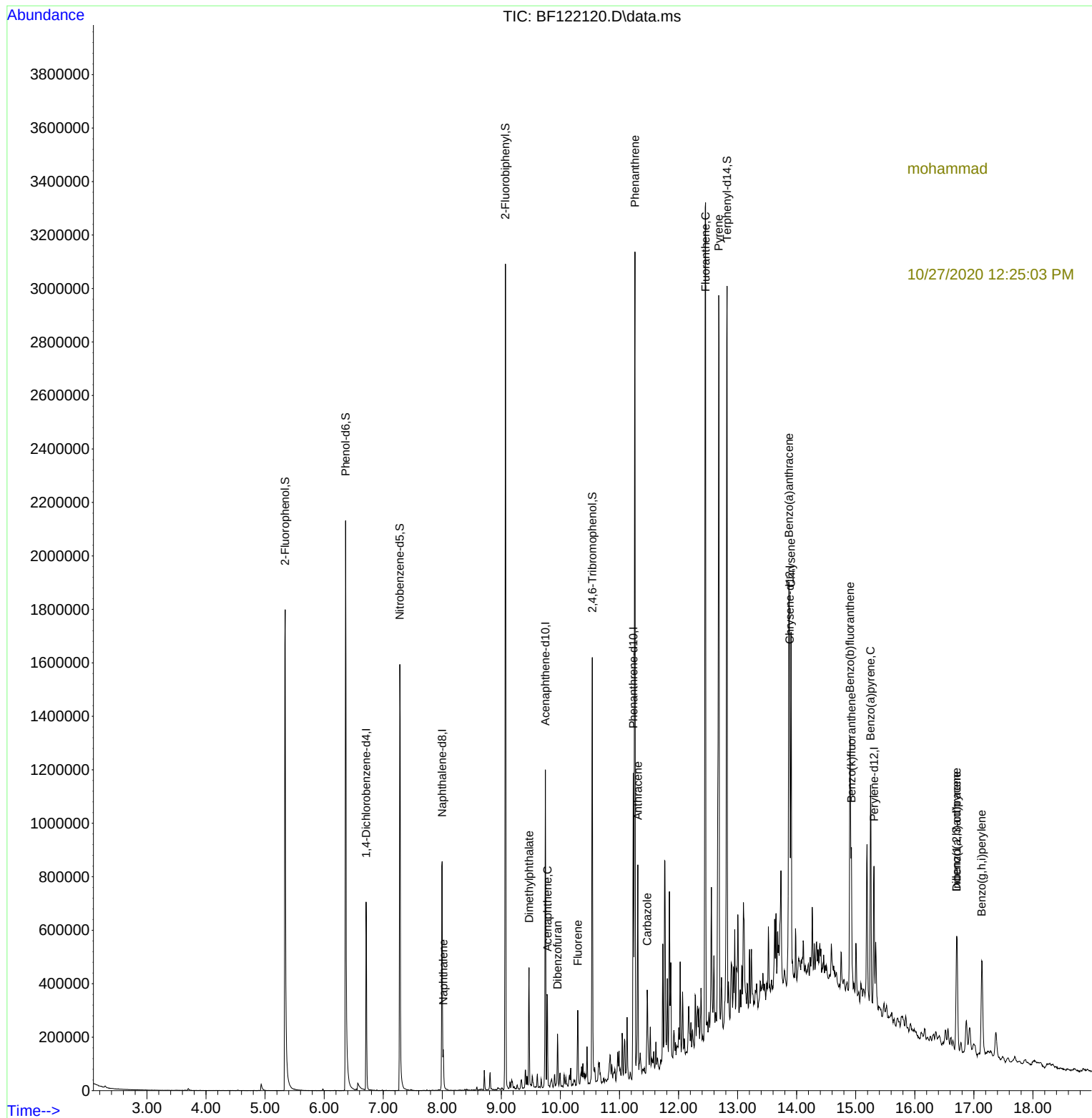
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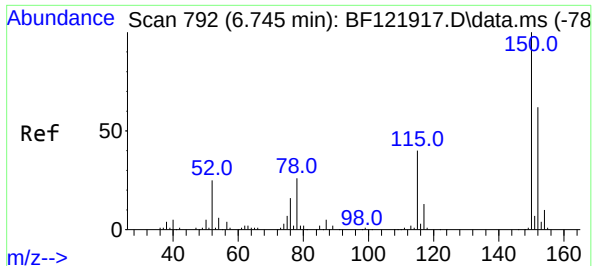
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QLast Update : Mon Oct 26 17:27:32 2020
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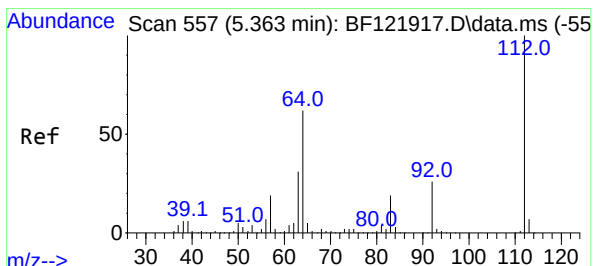
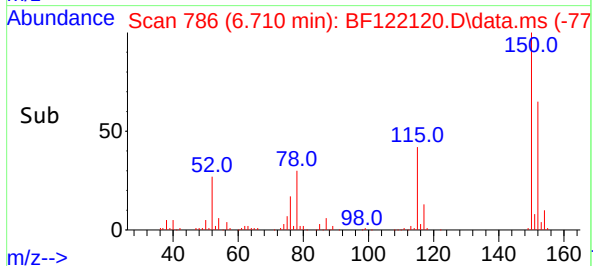
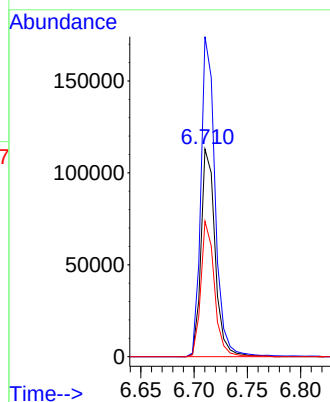
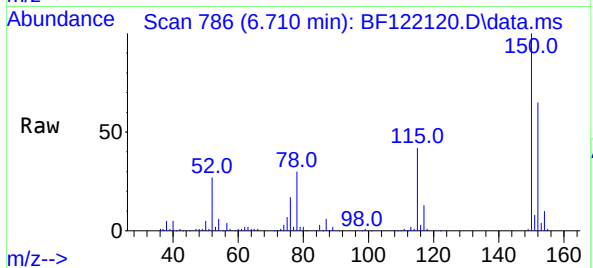


#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.710 min Scan# 786
Delta R.T. -0.006 min
Lab File: BF122120.D
Acq: 26 Oct 2020 17:38

Tgt Ion:152 Resp: 104531
Ion Ratio Lower Upper
152 100
150 154.2 125.3 187.9
115 65.2 51.9 77.9

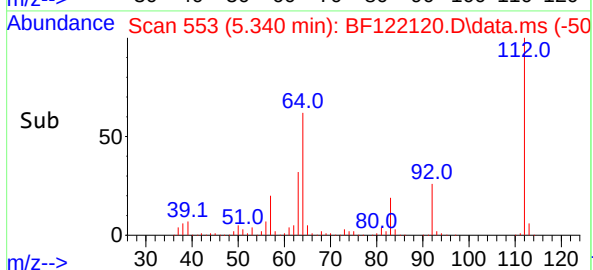
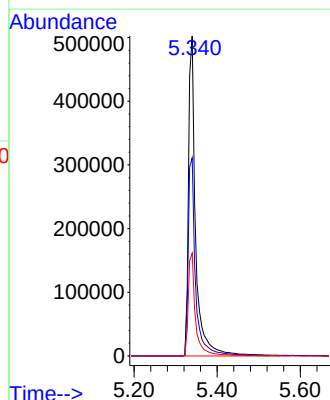
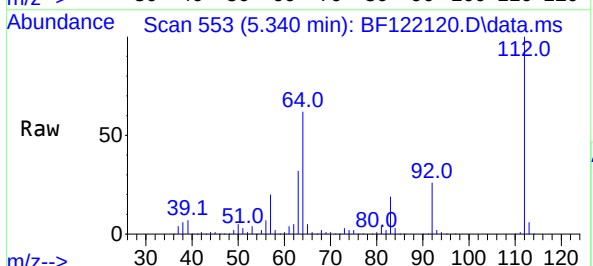
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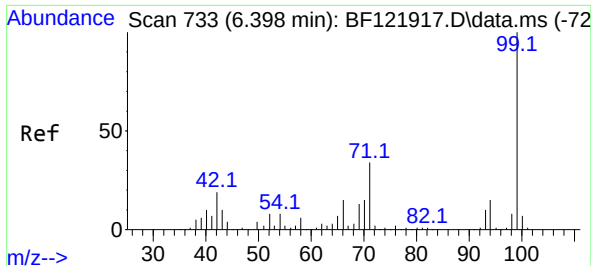
#5
2-Fluorophenol
Concen: 85.22 ng
RT: 5.340 min Scan# 553
Delta R.T. 0.006 min
Lab File: BF122120.D
Acq: 26 Oct 2020 17:38

Tgt Ion:112 Resp: 603559
Ion Ratio Lower Upper
112 100
64 61.9 50.4 75.6
63 32.1 25.8 38.6



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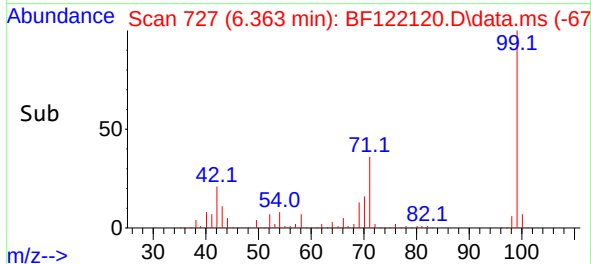
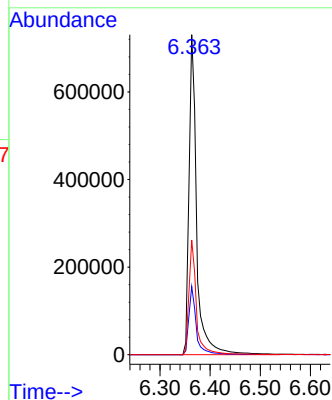
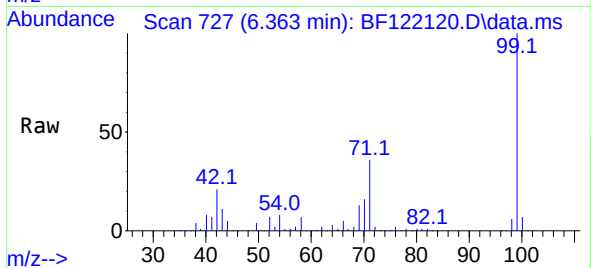


#7
Phenol-d6
Concen: 85.05 ng
RT: 6.363 min Scan# 727
Delta R.T. -0.006 min
Lab File: BF122120.D
Acq: 26 Oct 2020 17:38

Tgt Ion: 99 Resp: 775368
Ion Ratio Lower Upper
99 100
42 21.3 15.9 23.9
71 35.9 27.1 40.7

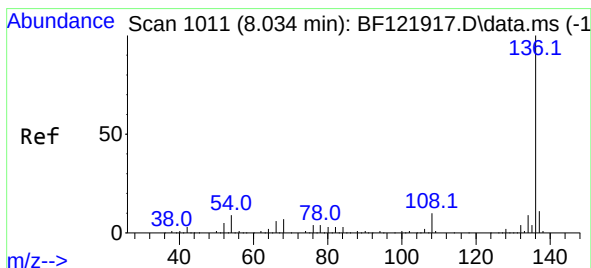
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BNA_F
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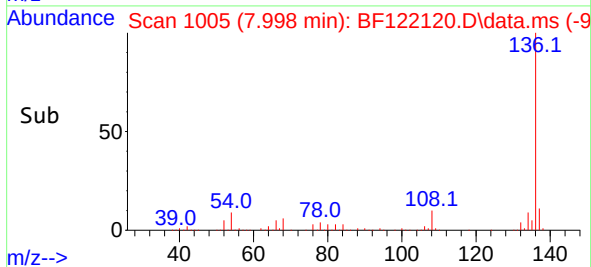
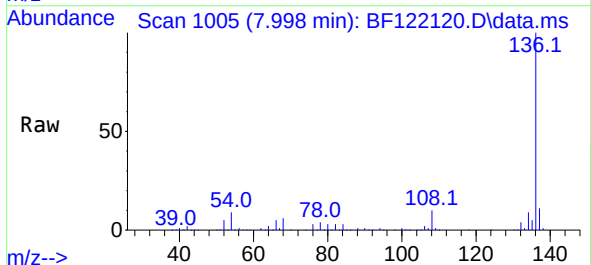
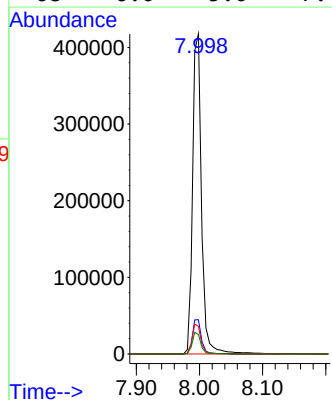
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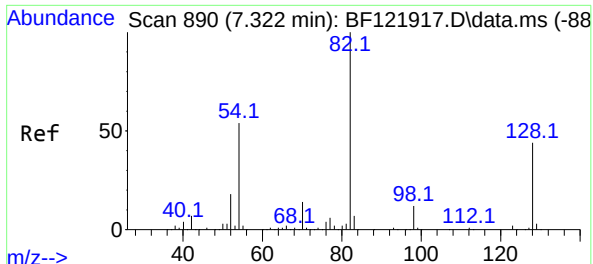
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#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.998 min Scan# 1005
Delta R.T. 0.000 min
Lab File: BF122120.D
Acq: 26 Oct 2020 17:38

Tgt Ion: 136 Resp: 413205
Ion Ratio Lower Upper
136 100
137 10.7 8.6 13.0
54 8.7 7.1 10.7
68 6.0 5.0 7.4



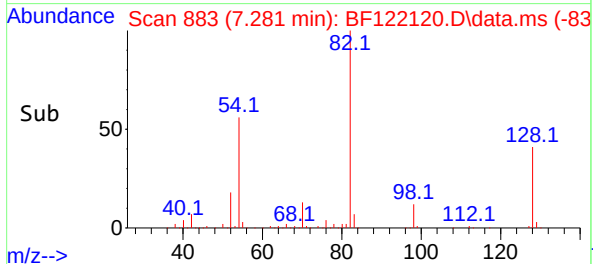
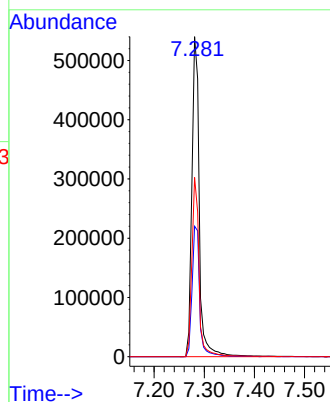
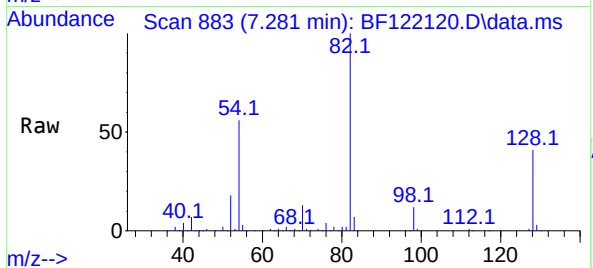


#23
Nitrobenzene-d5
Concen: 68.74 ng
RT: 7.281 min Scan# 883
Delta R.T. -0.006 min
Lab File: BF122120.D
Acq: 26 Oct 2020 17:38

Tgt Ion:	82	Resp:	553872
Ion	Ratio	Lower	Upper
82	100		
128	40.7	35.0	52.4
54	56.0	43.9	65.9

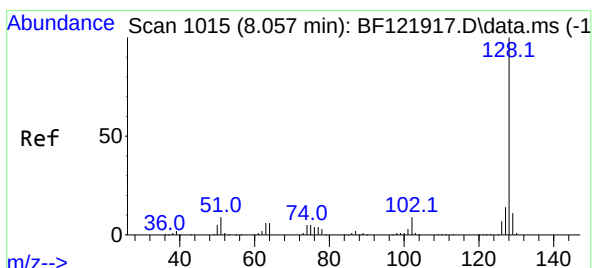
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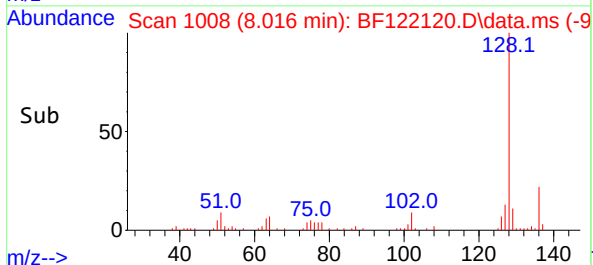
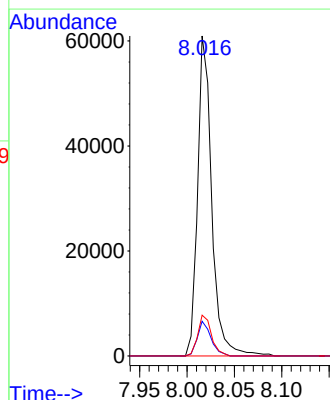
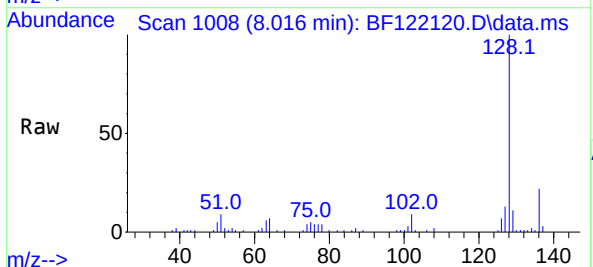
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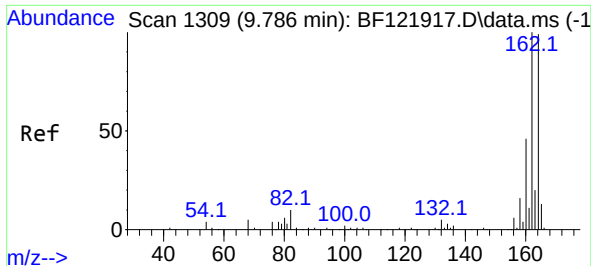
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#31
Naphthalene
Concen: 2.87 ng
RT: 8.016 min Scan# 1008
Delta R.T. -0.006 min
Lab File: BF122120.D
Acq: 26 Oct 2020 17:38

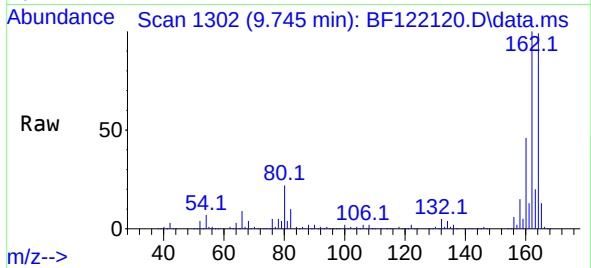
Tgt Ion:	128	Resp:	63466
Ion	Ratio	Lower	Upper
128	100		
129	10.9	8.7	13.1
127	12.8	10.8	16.2





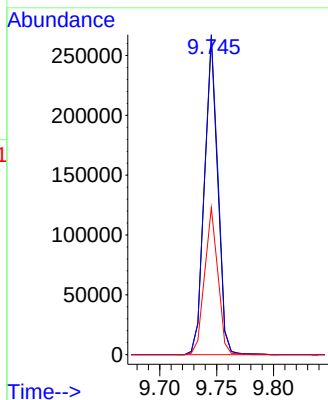
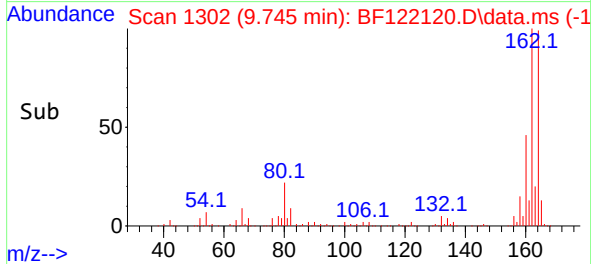
#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.745 min Scan# 1302
Delta R.T. -0.006 min
Lab File: BF122120.D
Acq: 26 Oct 2020 17:38

Instrument :
BNA_F
ClientSampleId :
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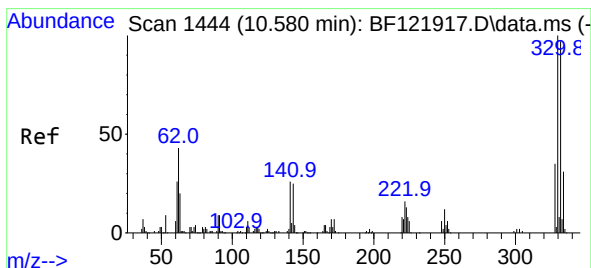
Tgt Ion:164 Resp: 214133
Ion Ratio Lower Upper
164 100
162 101.1 83.2 124.8
160 46.5 37.5 56.3

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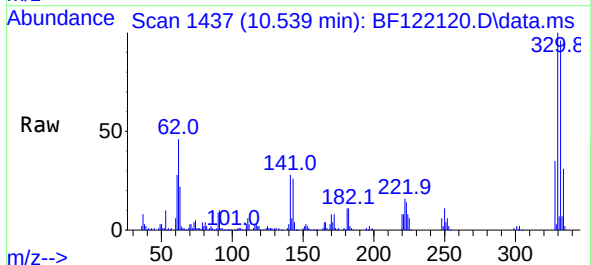


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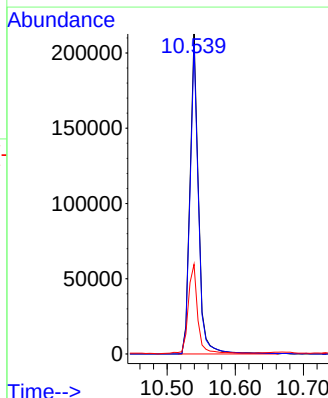
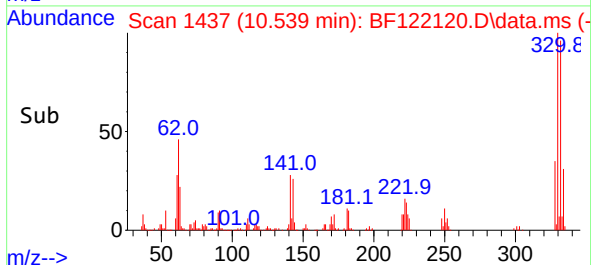
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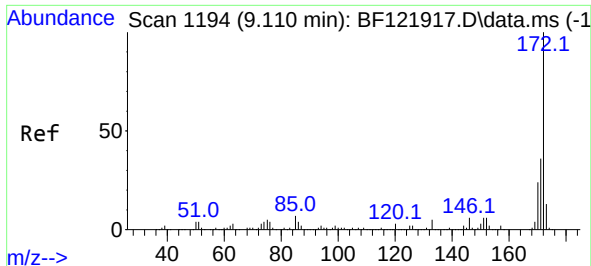


#42
2,4,6-Tribromophenol
Concen: 69.55 ng
RT: 10.539 min Scan# 1437
Delta R.T. -0.006 min
Lab File: BF122120.D
Acq: 26 Oct 2020 17:38



Tgt Ion:330 Resp: 184230
Ion Ratio Lower Upper
330 100
332 96.4 77.3 115.9
141 32.1 22.3 33.5



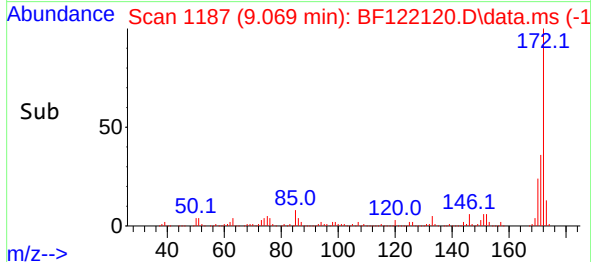
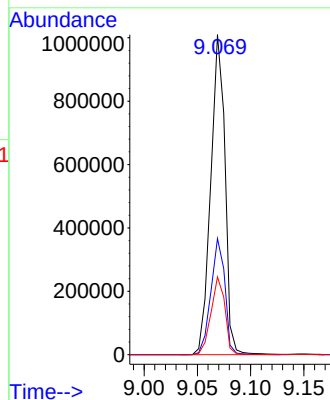
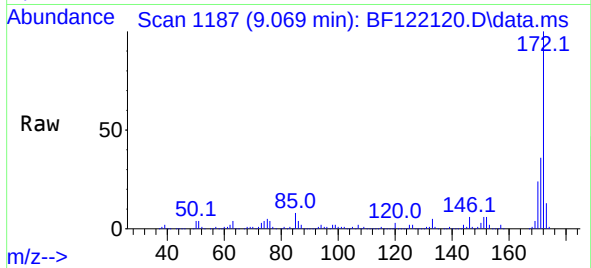


#45
2-Fluorobiphenyl
Concen: 64.86 ng
RT: 9.069 min Scan# 1187
Delta R.T. -0.006 min
Lab File: BF122120.D
Acq: 26 Oct 2020 17:38

Tgt Ion:	172	Resp:	943951
Ion Ratio	Lower	Upper	
172	100		
171	36.3	29.1	43.7
170	24.3	19.8	29.6

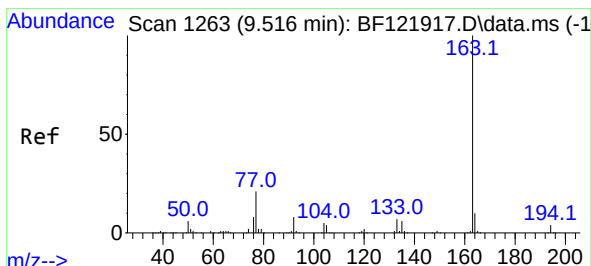
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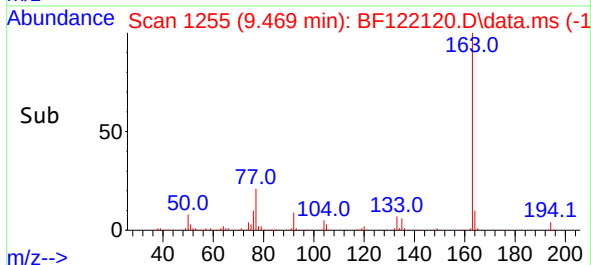
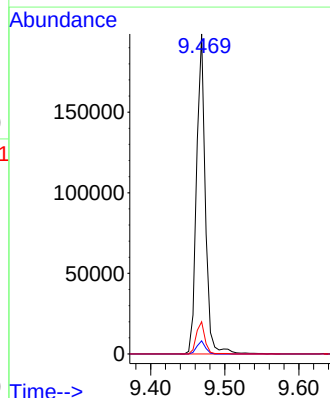
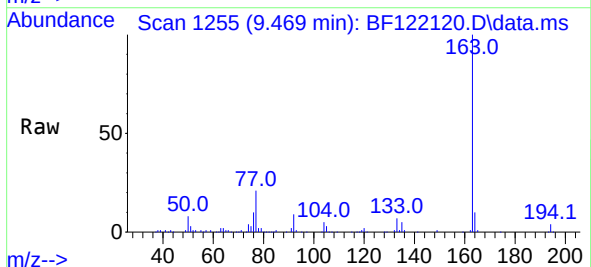
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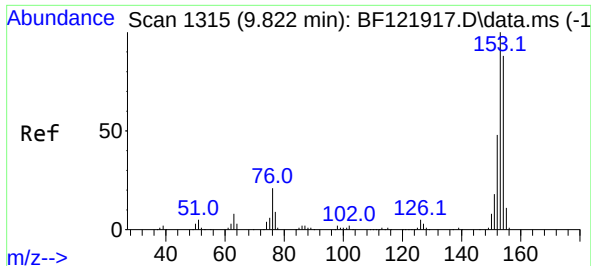
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#50
Dimethylphthalate
Concen: 10.43 ng
RT: 9.469 min Scan# 1255
Delta R.T. -0.012 min
Lab File: BF122120.D
Acq: 26 Oct 2020 17:38

Tgt Ion:	163	Resp:	163296
Ion Ratio	Lower	Upper	
163	100		
194	4.1	3.3	4.9
164	10.0	8.2	12.4



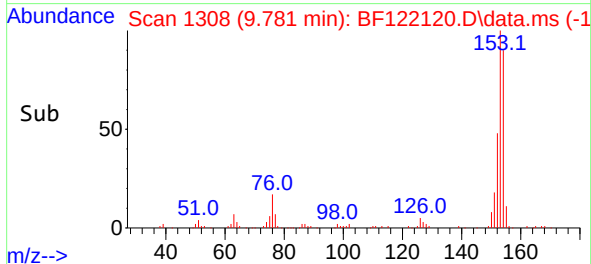
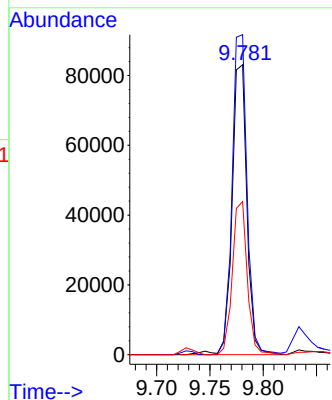
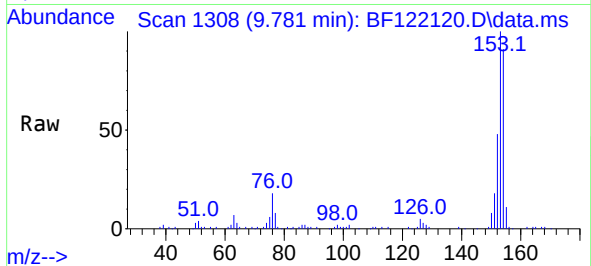


#52
Acenaphthene
Concen: 6.54 ng
RT: 9.781 min Scan# 1308
Delta R.T. -0.006 min
Lab File: BF122120.D
Acq: 26 Oct 2020 17:38

Tgt Ion:154 Resp: 80948
Ion Ratio Lower Upper
154 100
153 110.4 89.8 134.8
152 52.8 43.2 64.8

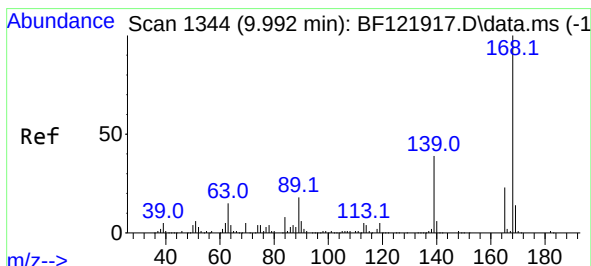
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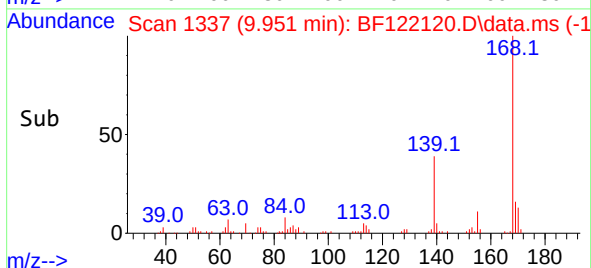
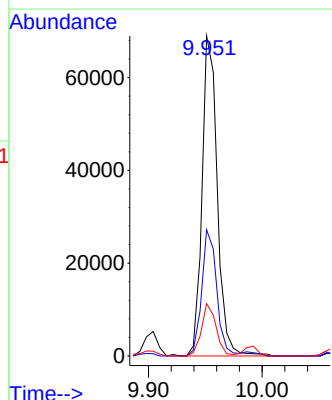
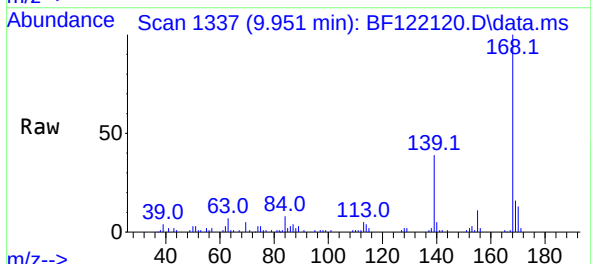
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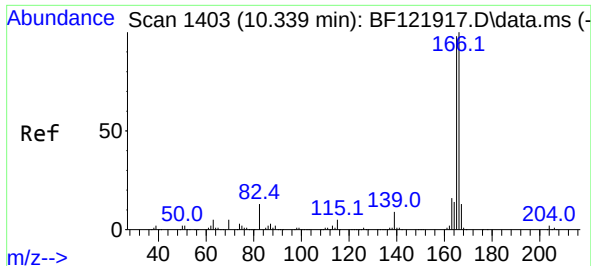
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#55
Dibenzofuran
Concen: 3.55 ng
RT: 9.951 min Scan# 1337
Delta R.T. -0.006 min
Lab File: BF122120.D
Acq: 26 Oct 2020 17:38

Tgt Ion:168 Resp: 64233
Ion Ratio Lower Upper
168 100
139 39.4 31.0 46.6
169 16.4 11.3 16.9



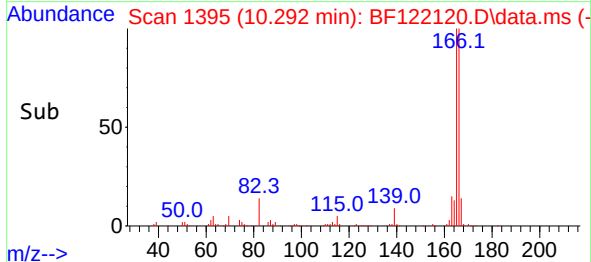
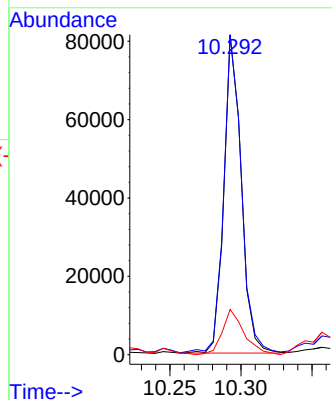
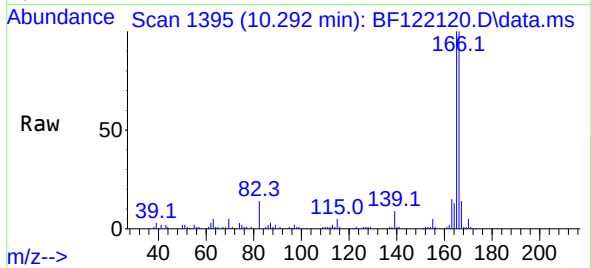


#58
Fluorene
Concen: 4.70 ng
RT: 10.292 min Scan# 1395
Delta R.T. -0.006 min
Lab File: BF122120.D
Acq: 26 Oct 2020 17:38

Tgt Ion:166 Resp: 68517
Ion Ratio Lower Upper
166 100
165 100.2 79.1 118.7
167 14.2 11.0 16.6

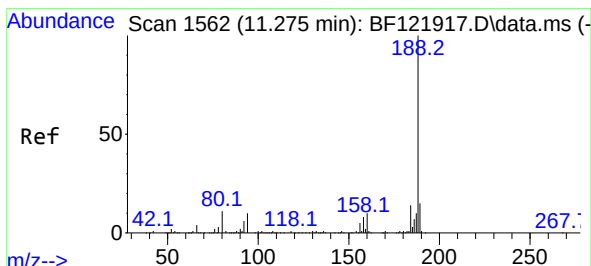
Instrument :
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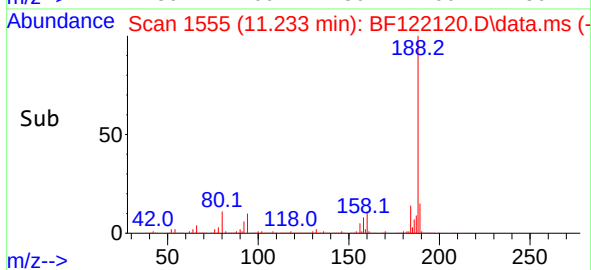
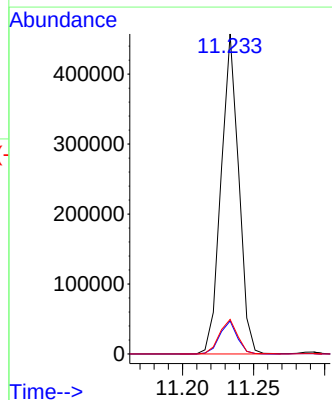
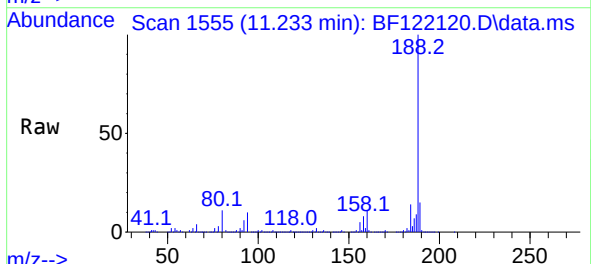
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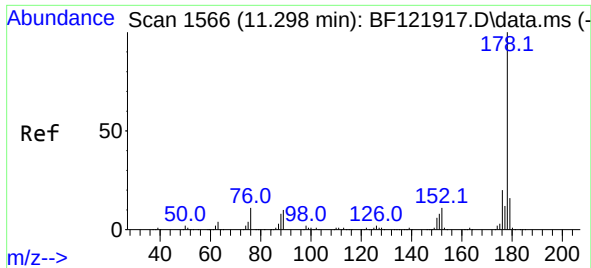
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#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.233 min Scan# 1555
Delta R.T. 0.000 min
Lab File: BF122120.D
Acq: 26 Oct 2020 17:38

Tgt Ion:188 Resp: 394224
Ion Ratio Lower Upper
188 100
94 10.3 8.3 12.5
80 10.8 9.1 13.7



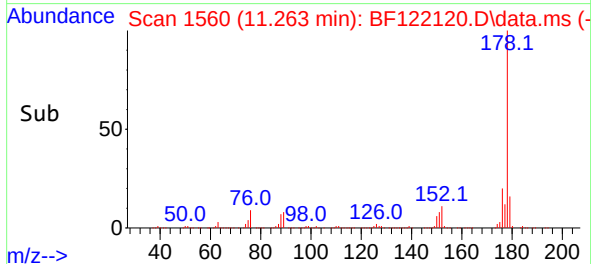
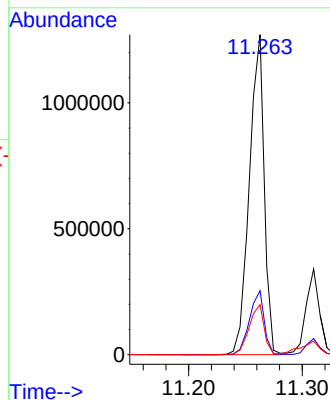
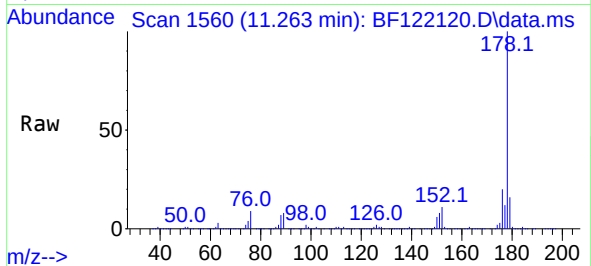


#71
Phenanthrene
Concen: 53.54 ng
RT: 11.263 min Scan# 1560
Delta R.T. 0.000 min
Lab File: BF122120.D
Acq: 26 Oct 2020 17:38

Tgt Ion:178 Resp: 1157222
Ion Ratio Lower Upper
178 100
176 20.0 15.9 23.9
179 15.7 12.2 18.4

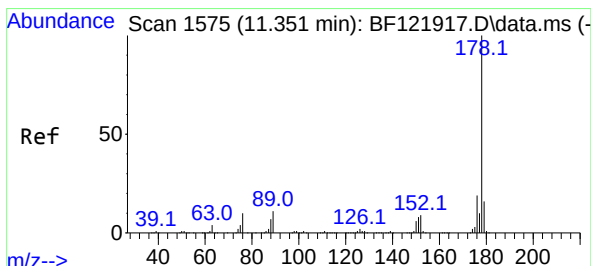
Instrument :
BNA_F
ClientSampleId :
AB-EH

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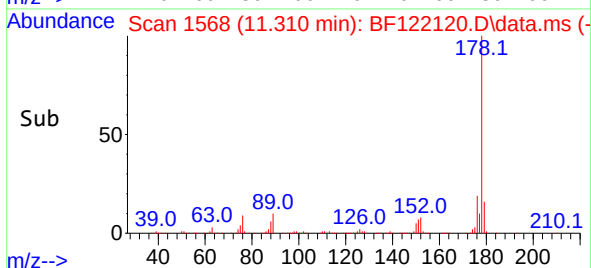
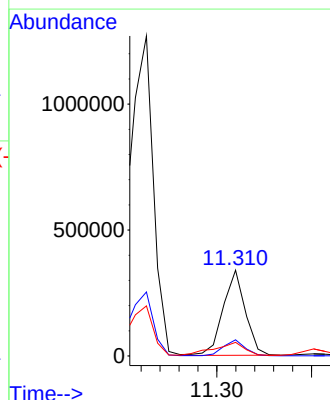
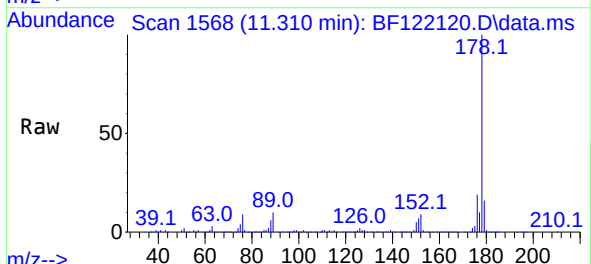
mohammad

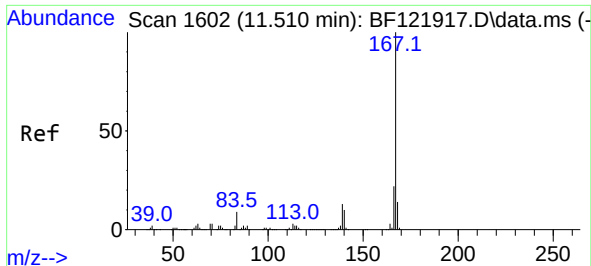
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#72
Anthracene
Concen: 12.34 ng
RT: 11.310 min Scan# 1568
Delta R.T. -0.006 min
Lab File: BF122120.D
Acq: 26 Oct 2020 17:38

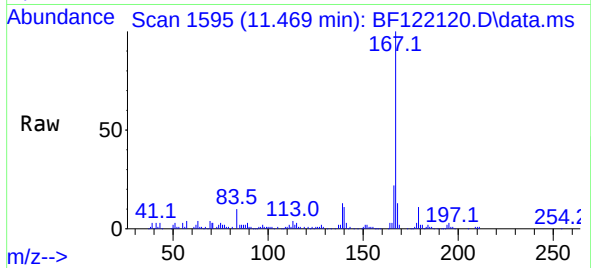
Tgt Ion:178 Resp: 276687
Ion Ratio Lower Upper
178 100
176 18.8 15.7 23.5
179 15.9 12.7 19.1





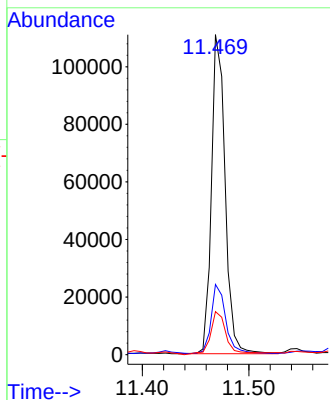
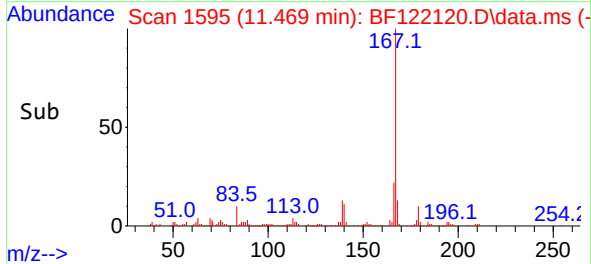
#73
 Carbazole
 Concen: 4.95 ng
 RT: 11.469 min Scan# 1595
 Delta R.T. -0.006 min
 Lab File: BF122120.D
 Acq: 26 Oct 2020 17:38

Instrument :
 BNA_F
 ClientSampleId :
 AB-EH



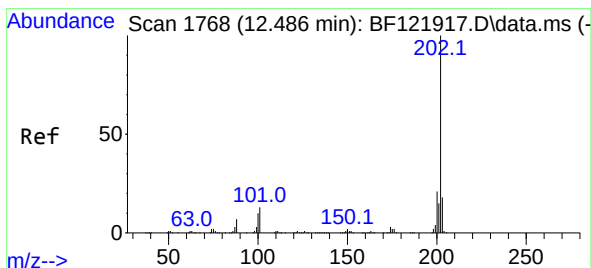
Tgt Ion:167 Resp: 98712
 Ion Ratio Lower Upper
 167 100
 166 22.0 17.8 26.6
 139 13.4 10.8 16.2

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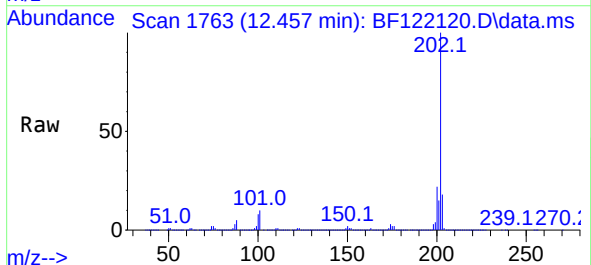


mohammad

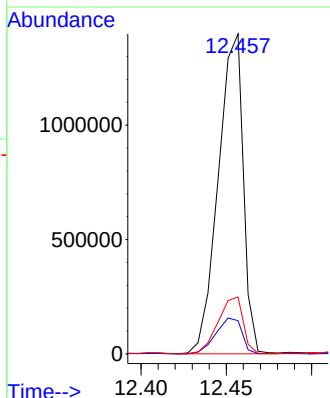
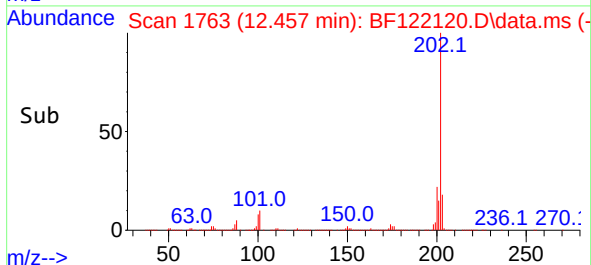
10/27/2020 12:25:03 PM

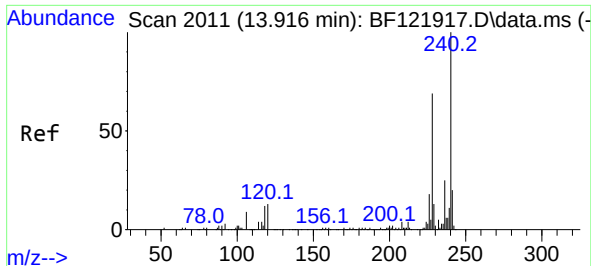


#75
 Fluoranthene
 Concen: 61.60 ng
 RT: 12.457 min Scan# 1763
 Delta R.T. 0.006 min
 Lab File: BF122120.D
 Acq: 26 Oct 2020 17:38



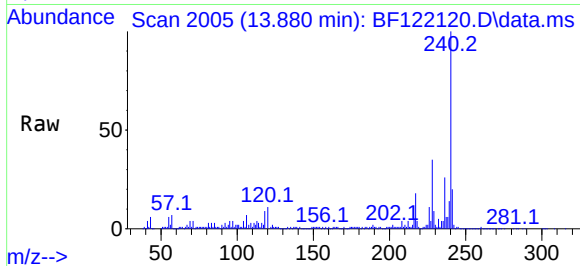
Tgt Ion:202 Resp: 1427789
 Ion Ratio Lower Upper
 202 100
 101 10.4 0.0 33.4
 203 17.8 0.0 37.9





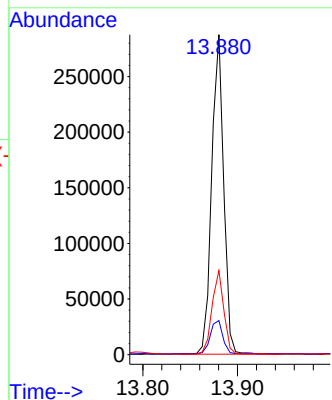
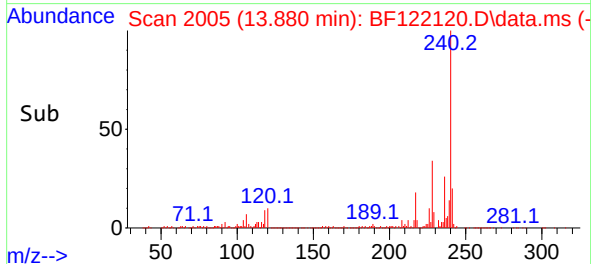
#76
Chrysene-d12
Concen: 20.00 ng
RT: 13.880 min Scan# 2005
Delta R.T. 0.000 min
Lab File: BF122120.D
Acq: 26 Oct 2020 17:38

Instrument :
BNA_F
ClientSampleId :
AB-EH



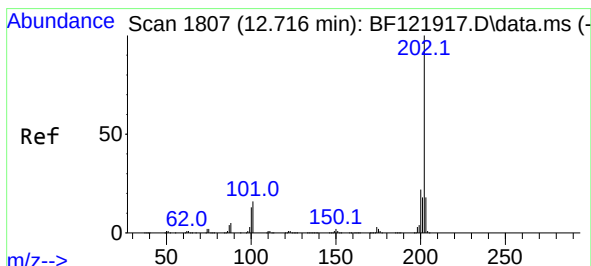
Tgt Ion:240 Resp: 251644
Ion Ratio Lower Upper
240 100
120 10.7 9.2 13.8
236 26.3 20.9 31.3

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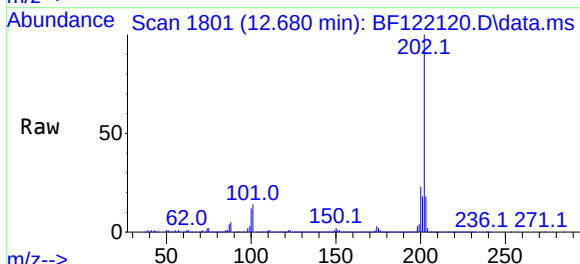


mohammad

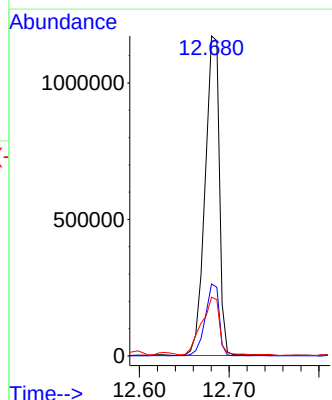
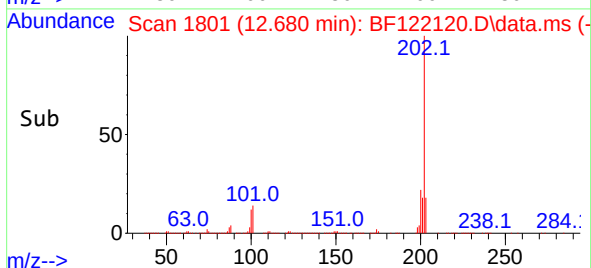
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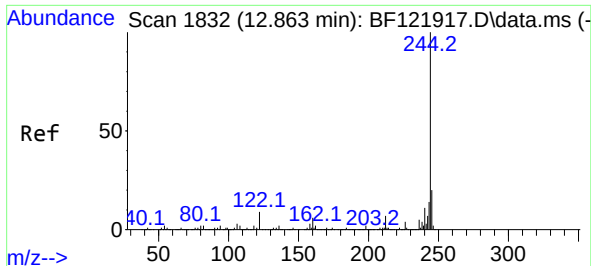


#78
Pyrene
Concen: 67.50 ng
RT: 12.680 min Scan# 1801
Delta R.T. 0.000 min
Lab File: BF122120.D
Acq: 26 Oct 2020 17:38



Tgt Ion:202 Resp: 1294502
Ion Ratio Lower Upper
202 100
200 22.5 17.4 26.2
203 18.3 14.6 21.8



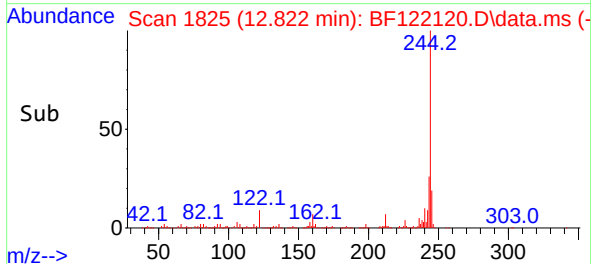
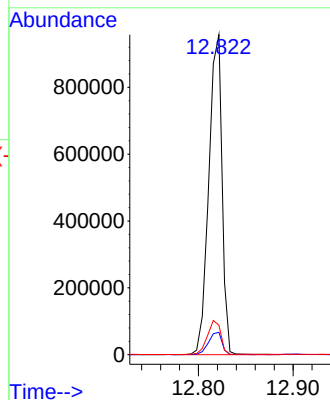
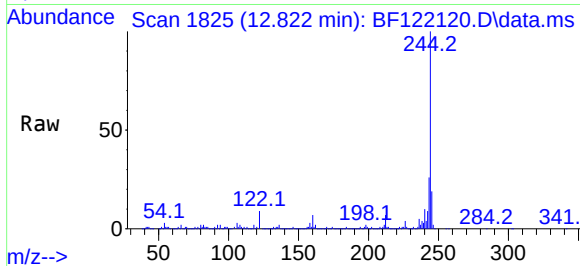


#79
Terphenyl-d14
Concen: 70.48 ng
RT: 12.822 min Scan# 1825
Delta R.T. 0.006 min
Lab File: BF122120.D
Acq: 26 Oct 2020 17:38

Tgt Ion:244 Resp: 930645
Ion Ratio Lower Upper
244 100
212 7.0 5.4 8.2
122 9.2 8.1 12.1

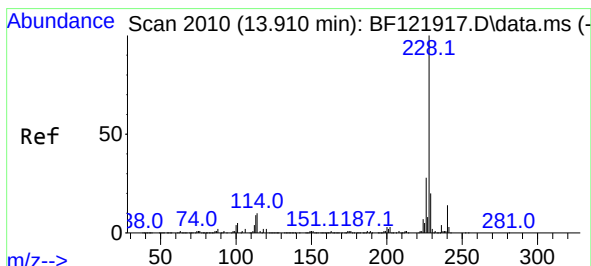
Instrument :
BNA_F
ClientSampleId :
AB-EH

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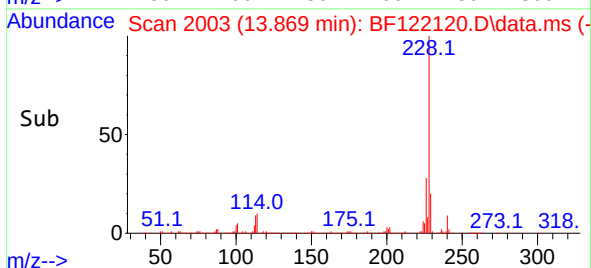
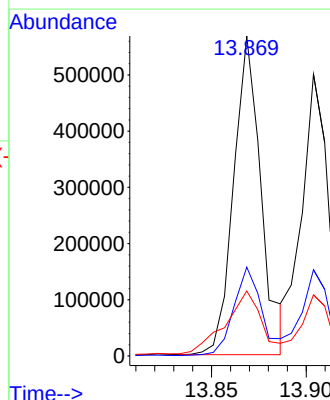
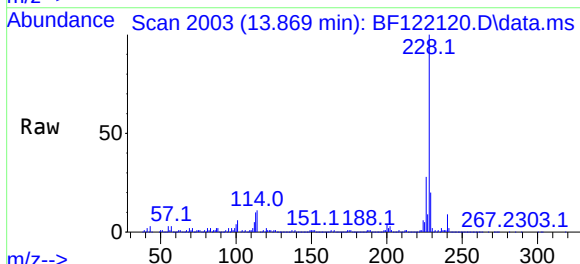
mohammad

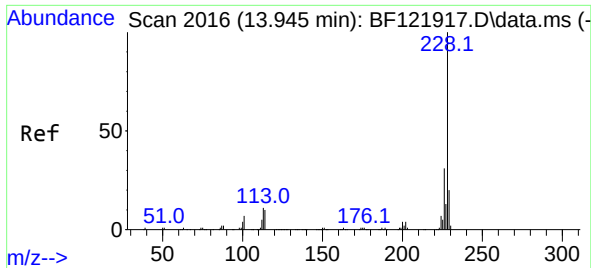
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#81
Benzo(a)anthracene
Concen: 34.66 ng
RT: 13.869 min Scan# 2003
Delta R.T. 0.000 min
Lab File: BF122120.D
Acq: 26 Oct 2020 17:38

Tgt Ion:228 Resp: 571619
Ion Ratio Lower Upper
228 100
226 27.7 22.3 33.5
229 20.3 16.2 24.4



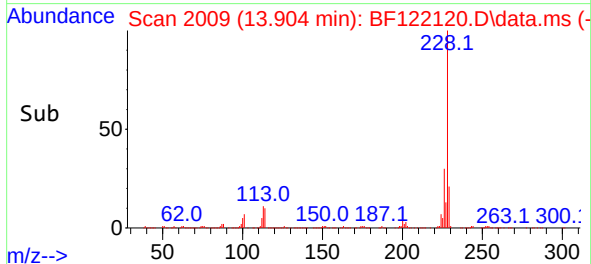
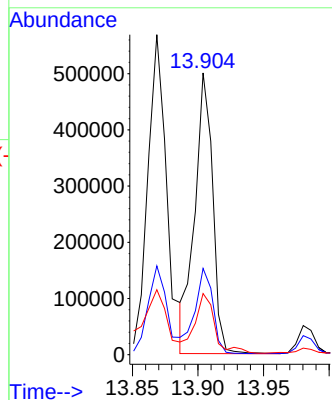
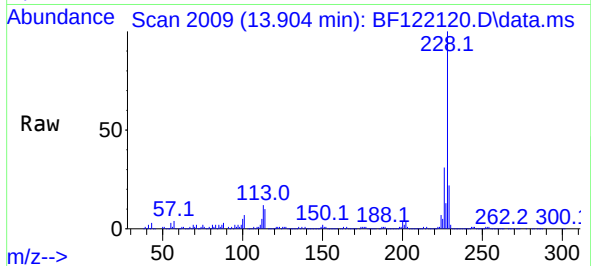


#83
Chrysene
Concen: 29.27 ng
RT: 13.904 min Scan# 2009
Delta R.T. 0.000 min
Lab File: BF122120.D
Acq: 26 Oct 2020 17:38

Tgt Ion:228 Resp: 473787
Ion Ratio Lower Upper
228 100
226 30.6 24.6 37.0
229 21.7 15.9 23.9

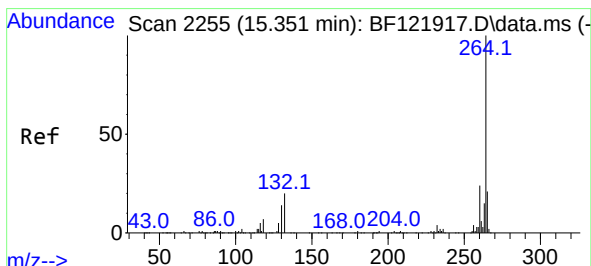
Instrument :
BNA_F
ClientSampleId :
AB-EH

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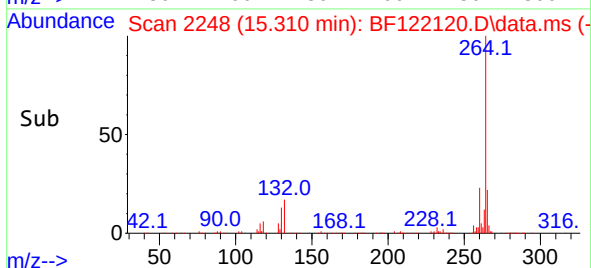
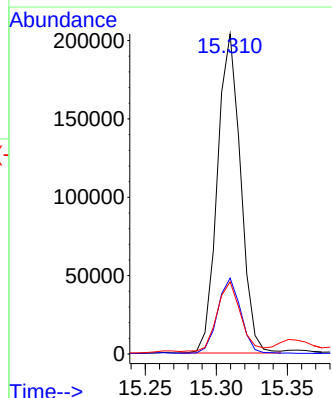
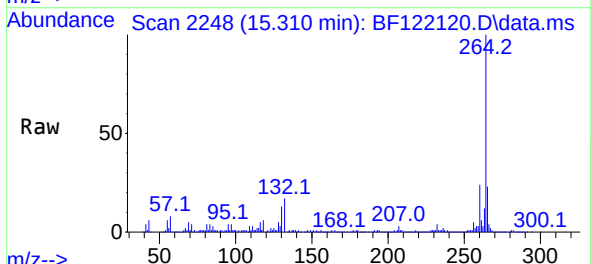
mohammad

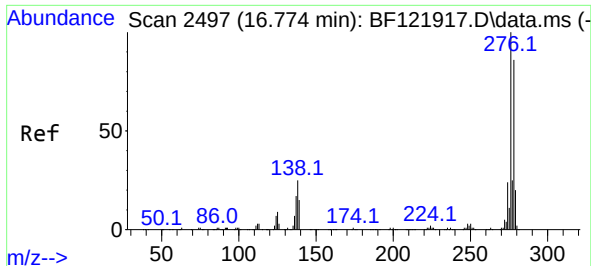
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#86
Perylene-d12
Concen: 20.00 ng
RT: 15.310 min Scan# 2248
Delta R.T. 0.006 min
Lab File: BF122120.D
Acq: 26 Oct 2020 17:38

Tgt Ion:264 Resp: 231261
Ion Ratio Lower Upper
264 100
260 23.7 18.7 28.1
265 22.5 17.3 25.9



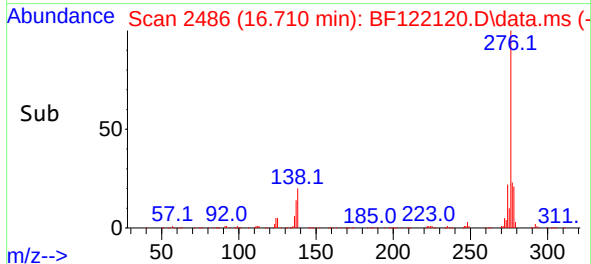
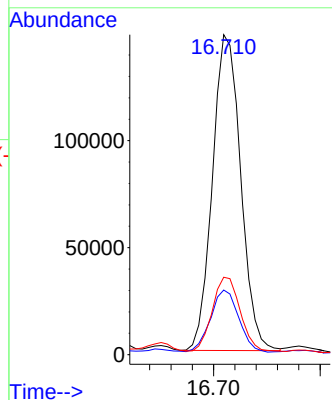
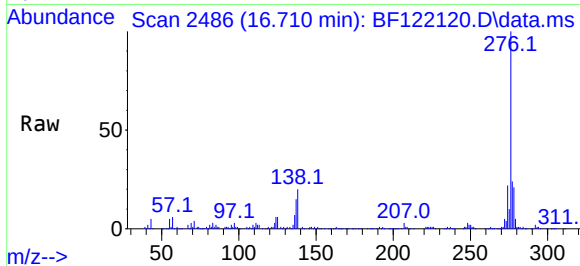


#87
Indeno(1,2,3-cd)pyrene
Concen: 18.11 ng
RT: 16.710 min Scan# 2486
Delta R.T. -0.006 min
Lab File: BF122120.D
Acq: 26 Oct 2020 17:38

Tgt Ion:	276	Resp:	271892
Ion Ratio	Lower	Upper	
276	100		
138	20.2	19.9	29.9
277	23.5	20.4	30.6

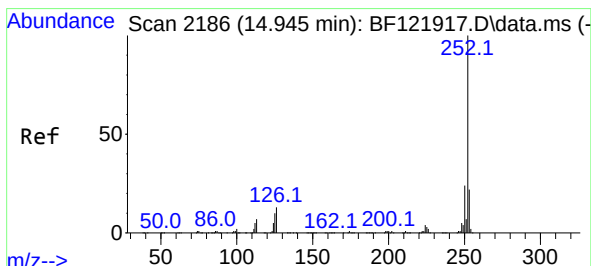
Instrument :
BNA_F
ClientSampleId :
AB-EH

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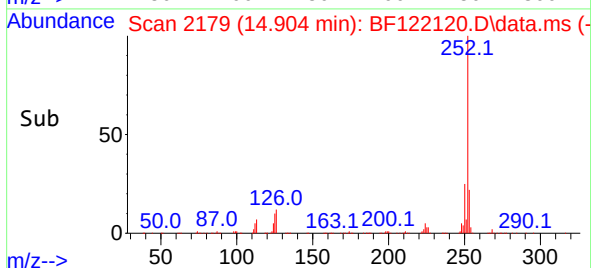
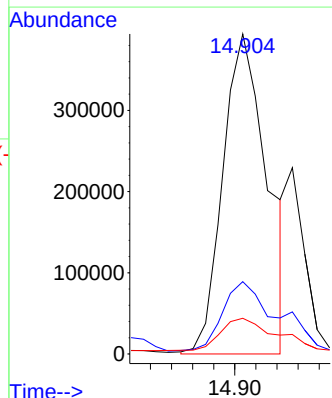
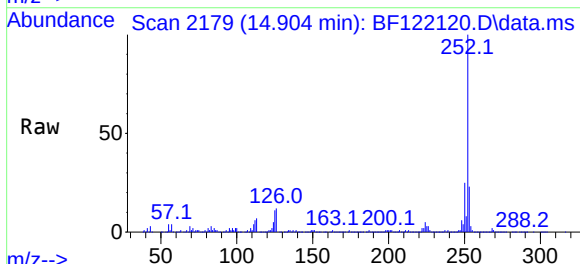
mohammad

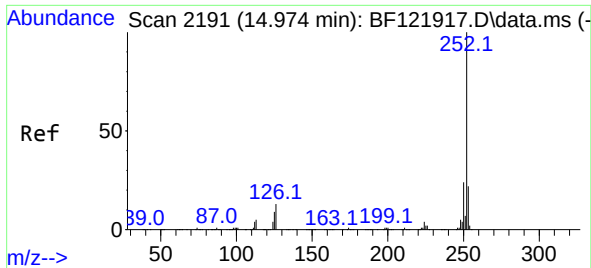
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#88
Benzo(b)fluoranthene
Concen: 36.83 ng m
RT: 14.904 min Scan# 2179
Delta R.T. 0.006 min
Lab File: BF122120.D
Acq: 26 Oct 2020 17:38

Tgt Ion:	252	Resp:	575765
Ion Ratio	Lower	Upper	
252	100		
253	22.6	18.2	27.2
125	11.2	8.0	12.0



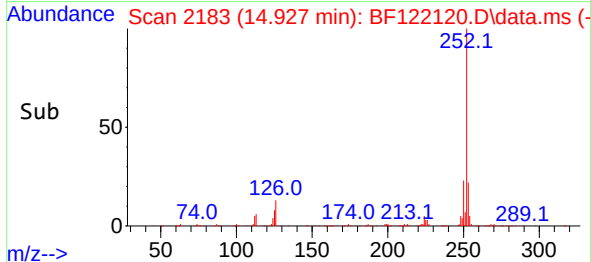
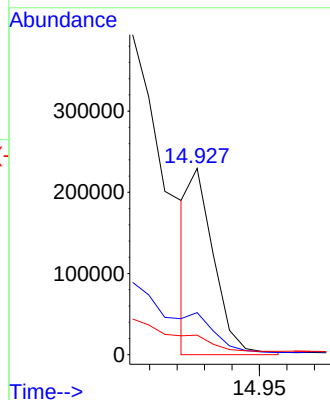
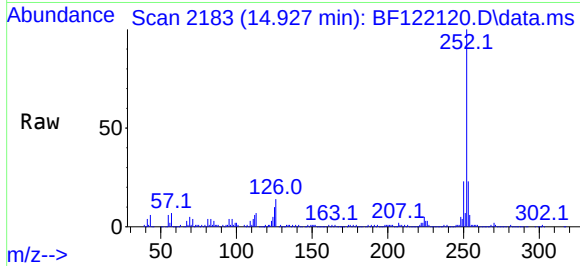


#89
Benzo(k)fluoranthene
Concen: 9.43 ng m
RT: 14.927 min Scan# 2183
Delta R.T. 0.000 min
Lab File: BF122120.D
Acq: 26 Oct 2020 17:38

Tgt Ion:	252	Resp:	140054
Ion Ratio	Lower	Upper	
252	100		
253	22.6	17.8	26.6
125	10.5	7.7	11.5

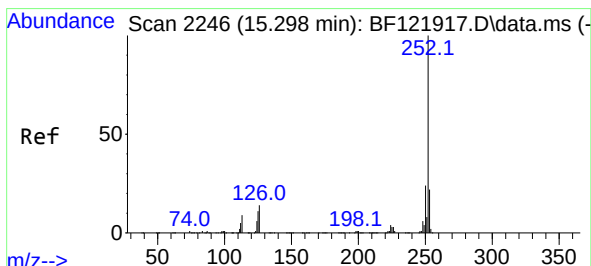
Instrument :
BNA_F
ClientSampleId :
AB-EH

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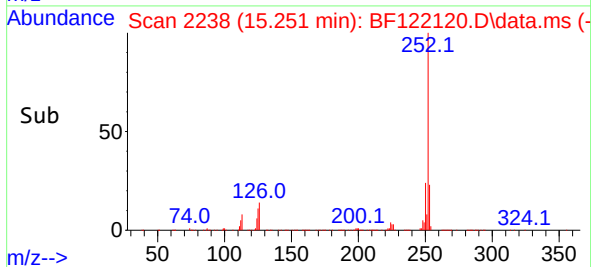
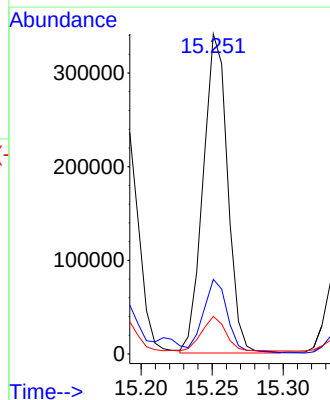
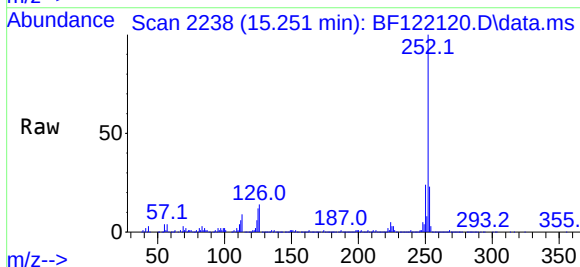
mohammad

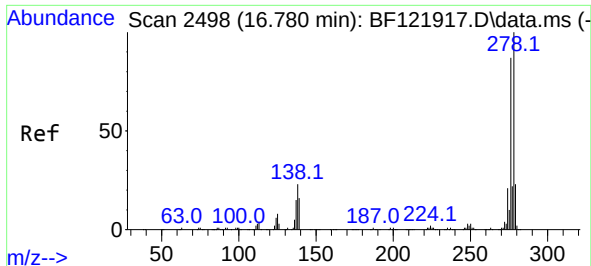
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#90
Benzo(a)pyrene
Concen: 30.22 ng
RT: 15.251 min Scan# 2238
Delta R.T. 0.000 min
Lab File: BF122120.D
Acq: 26 Oct 2020 17:38

Tgt Ion:	252	Resp:	407968
Ion Ratio	Lower	Upper	
252	100		
253	23.3	17.3	25.9
125	11.7	8.6	13.0



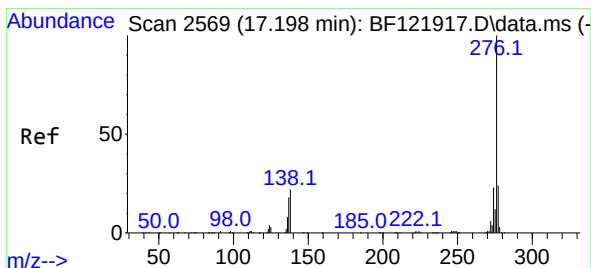
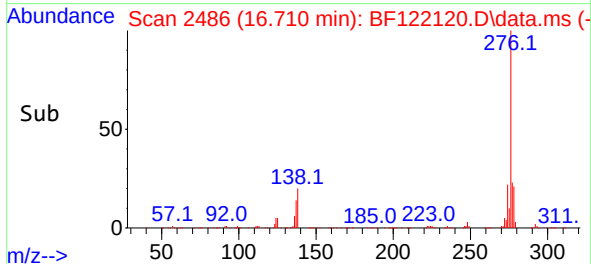
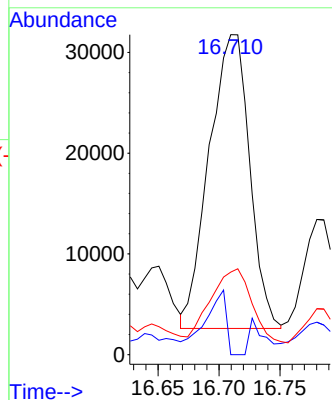
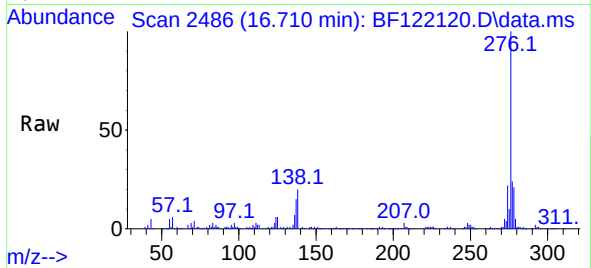


#91
Dibenzo(a,h)anthracene
Concen: 5.45 ng m
RT: 16.710 min Scan# 2486
Delta R.T. -0.006 min
Lab File: BF122120.D
Acq: 26 Oct 2020 17:38

Tgt Ion: 278 Resp: 67394
Ion Ratio Lower Upper
278 100
139 0.0 13.0 19.4#
279 25.8 19.0 28.4

Instrument :
BNA_F
ClientSampleId :
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#92
Benzo(g,h,i)perylene
Concen: 22.29 ng
RT: 17.133 min Scan# 2558
Delta R.T. 0.000 min
Lab File: BF122120.D
Acq: 26 Oct 2020 17:38

Tgt Ion: 276 Resp: 275822
Ion Ratio Lower Upper
276 100
277 25.3 19.4 29.2
138 21.5 17.8 26.6

