

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060821\
 Data File : BF124198.D
 Acq On : 9 Jun 2021 1:07
 Operator : JU/CG
 Sample : M2589-04DL 2X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 18-B8(0-2)DL

Manual Integrations
 APPROVED

Quant Time: Jun 09 04:10:45 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF060321.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 07 13:32:21 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.863	152	37766	20.000	ng	0.00
21) Naphthalene-d8	8.145	136	124211	20.000	ng	# 0.00
39) Acenaphthene-d10	9.904	164	60388	20.000	ng	0.00
64) Phenanthrene-d10	11.392	188	101345	20.000	ng	# 0.00
76) Chrysene-d12	14.045	240	75398	20.000	ng	0.01
86) Perylene-d12	15.527	264	60187	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	104594	41.691	ng	0.00
7) Phenol-d6	6.510	99	126572	37.534	ng	0.00
23) Nitrobenzene-d5	7.422	82	95161	30.385	ng	-0.01
42) 2,4,6-Tribromophenol	10.692	330	33333	38.961	ng	0.00
45) 2-Fluorobiphenyl	9.222	172	158508	33.030	ng	0.00
79) Terphenyl-d14	12.980	244	154201	28.079	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.169	128	19706	2.654	ng	99
52) Acenaphthene	9.933	154	16383	4.159	ng	97
55) Dibenzofuran	10.110	168	21766	3.530	ng	95
58) Fluorene	10.451	166	26496	5.599	ng	93
71) Phenanthrene	11.421	178	322939	51.010	ng	99
72) Anthracene	11.469	178	62529	9.807	ng	99
73) Carbazole	11.627	167	30448	5.480	ng	99
75) Fluoranthene	12.616	202	468182	70.453	ng	98
78) Pyrene	12.845	202	409363	56.541	ng	98
81) Benzo(a)anthracene	14.033	228	172264	31.362	ng	98
83) Chrysene	14.068	228	159763m	30.147	ng	
84) Bis(2-ethylhexyl)phtha...	14.010	149	8149	2.332	ng	# 98
87) Indeno(1,2,3-cd)pyrene	17.027	276	67885m	16.663	ng	
88) Benzo(b)fluoranthene	15.098	252	182853m	39.110	ng	
89) Benzo(k)fluoranthene	15.121	252	41209m	9.311	ng	
90) Benzo(a)pyrene	15.468	252	113710	28.001	ng	99
91) Dibenzo(a,h)anthracene	17.027	278	17366	7.884	ng	# 88
92) Benzo(g,h,i)perylene	17.480	276	61727m	17.278	ng	

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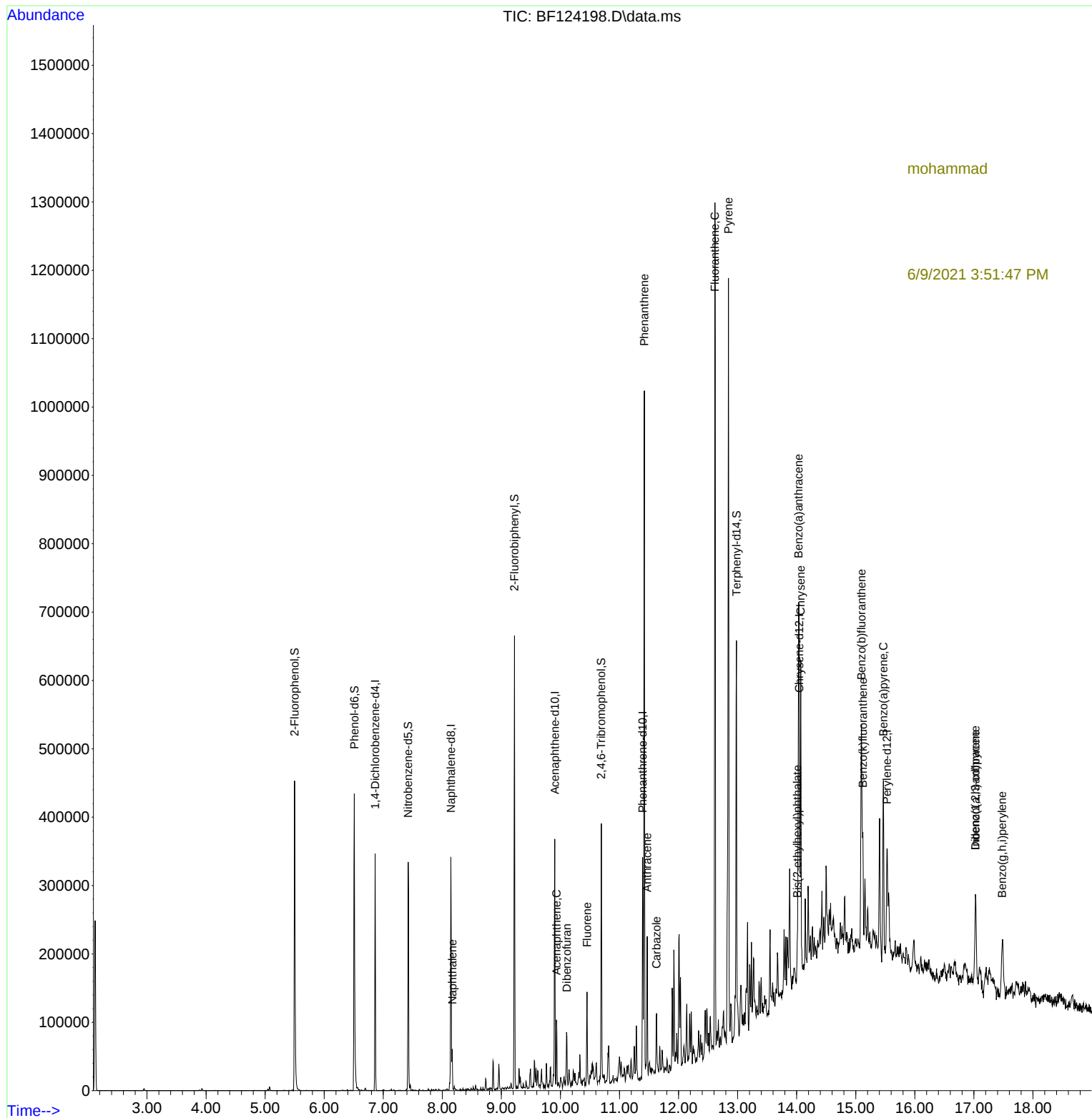
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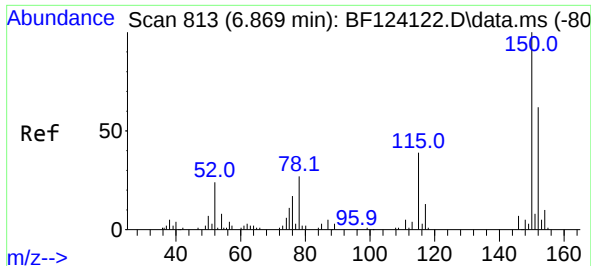
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060821\
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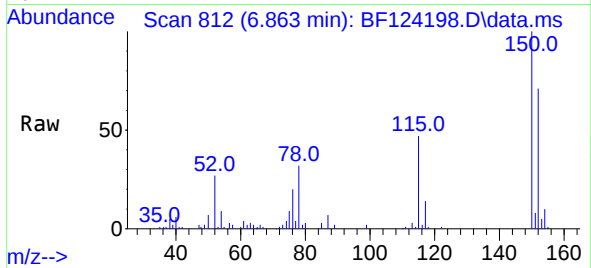
Manual Integrations
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Quant Time: Jun 09 04:10:45 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF060321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 07 13:32:21 2021
Response via : Initial Calibration

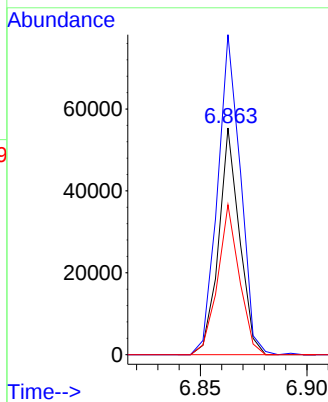
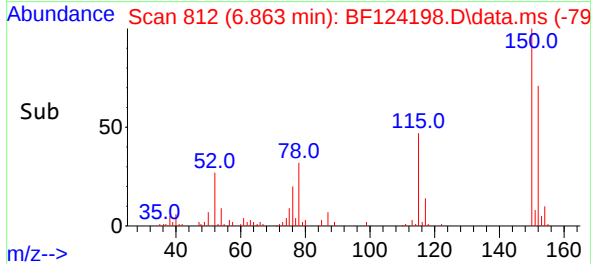




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.863 min Scan# 812
Delta R.T. -0.006 min
Lab File: BF124198.D
Acq: 9 Jun 2021 1:07



Tgt Ion:152 Resp: 37766
Ion Ratio Lower Upper
152 100
150 141.1 127.0 190.6
115 66.1 54.3 81.5

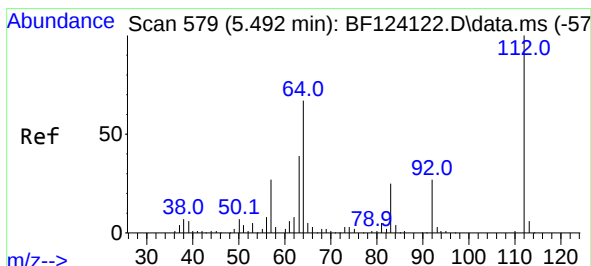


Instrument :
BNA_F
ClientSampled :
18-B8(0-2)DL

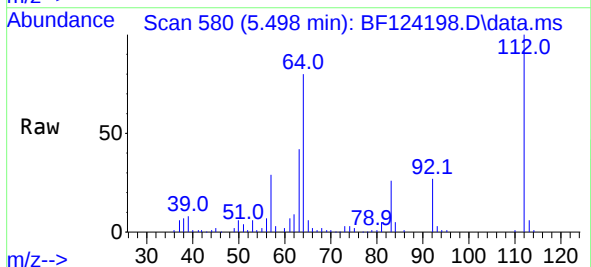
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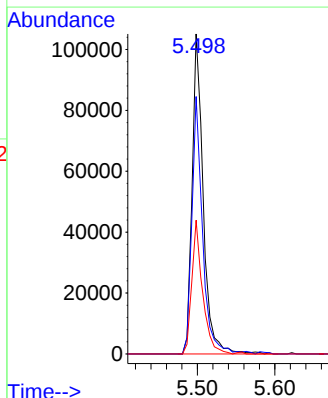
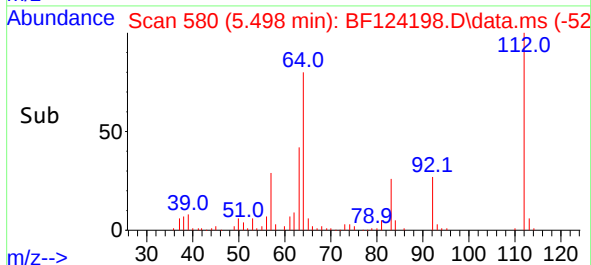
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#5
2-Fluorophenol
Concen: 41.691 ng
RT: 5.498 min Scan# 580
Delta R.T. 0.006 min
Lab File: BF124198.D
Acq: 9 Jun 2021 1:07



Tgt Ion:112 Resp: 104594
Ion Ratio Lower Upper
112 100
64 80.4 61.4 92.0
63 41.8 33.0 49.4



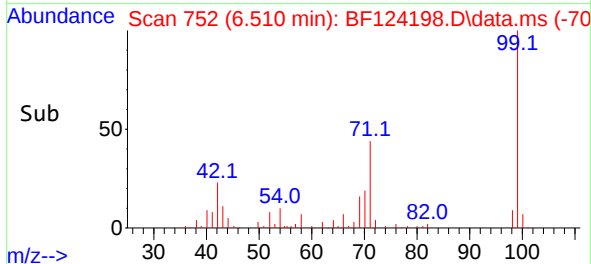
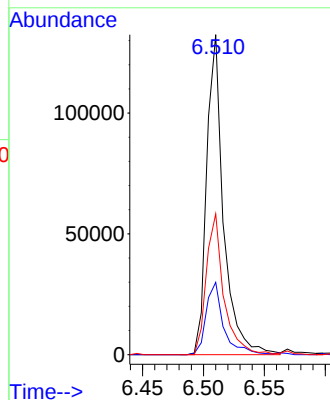
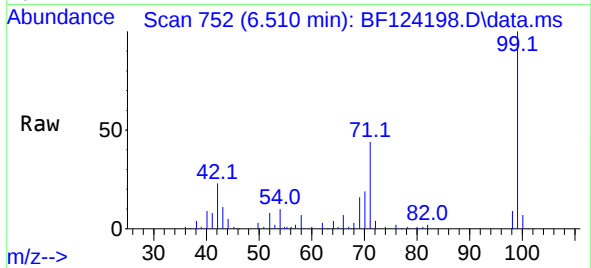


#7
Phenol-d6
Concen: 37.534 ng
RT: 6.510 min Scan# 752
Delta R.T. -0.000 min
Lab File: BF124198.D
Acq: 9 Jun 2021 1:07

Tgt Ion: 99 Resp: 126572
Ion Ratio Lower Upper
99 100
42 22.6 19.8 29.8
71 44.0 31.1 46.7

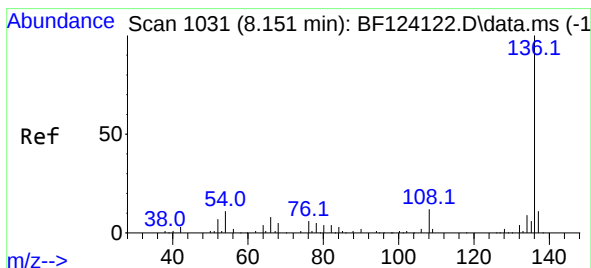
Instrument :
BNA_F
ClientSampled :
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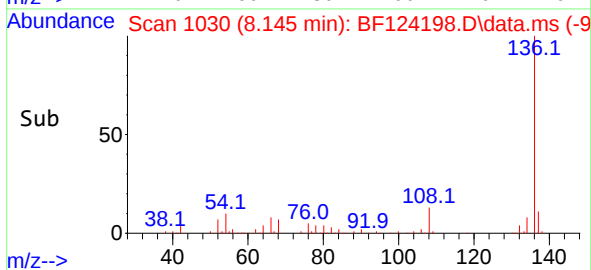
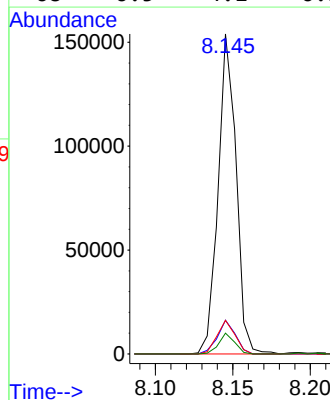
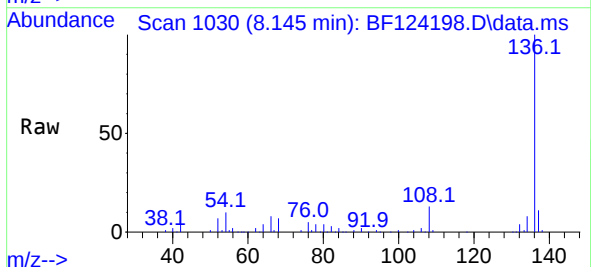
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#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.145 min Scan# 1030
Delta R.T. -0.006 min
Lab File: BF124198.D
Acq: 9 Jun 2021 1:07

Tgt Ion: 136 Resp: 124211
Ion Ratio Lower Upper
136 100
137 10.5 8.7 13.1
54 10.5 9.8 14.6
68 6.5 4.1 6.1#





#23

Nitrobenzene-d5

Concen: 30.385 ng

RT: 7.422 min Scan# 907

Delta R.T. -0.012 min

Lab File: BF124198.D

Acq: 9 Jun 2021 1:07

Tgt Ion:	82	Resp:	95161
Ion	Ratio	Lower	Upper
82	100		
128	34.7	29.4	44.2
54	63.8	54.1	81.1

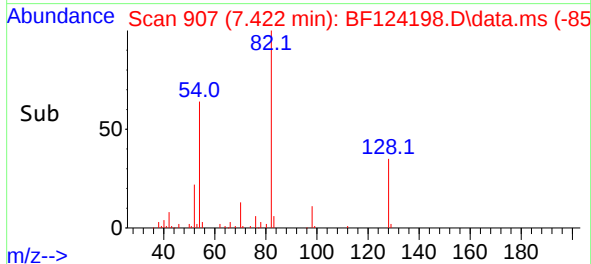
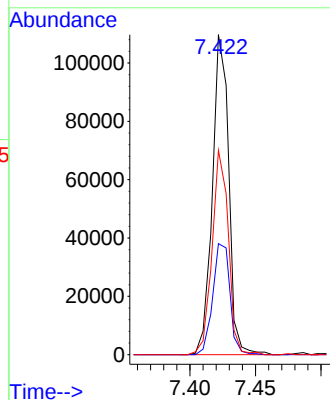
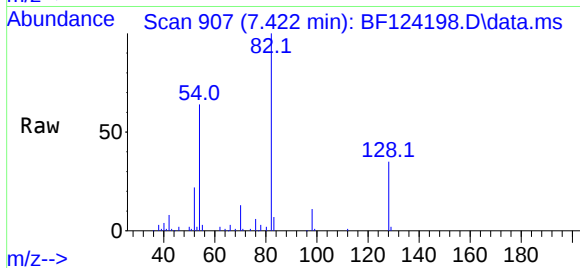
Instrument :

BNA_F

ClientSampled :

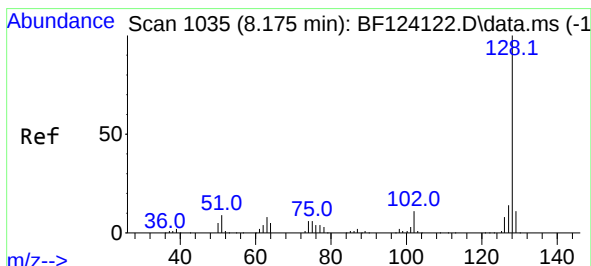
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#31

Naphthalene

Concen: 2.654 ng

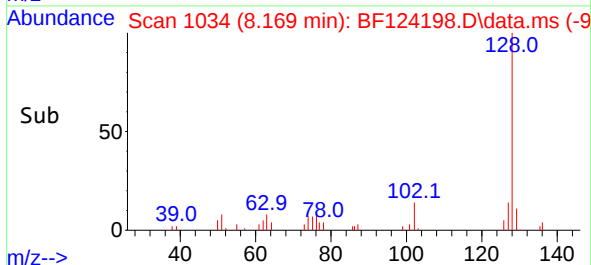
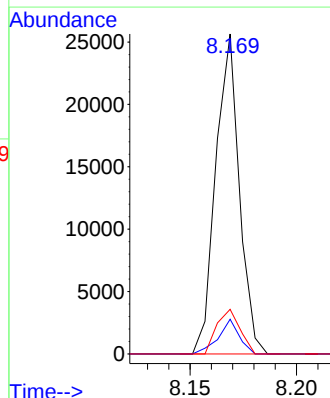
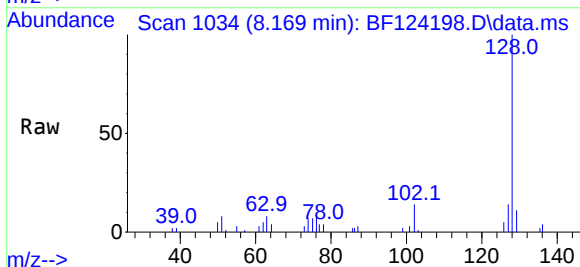
RT: 8.169 min Scan# 1034

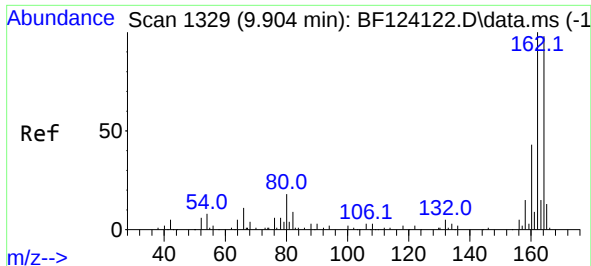
Delta R.T. -0.006 min

Lab File: BF124198.D

Acq: 9 Jun 2021 1:07

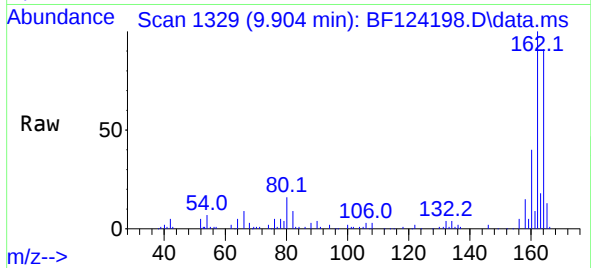
Tgt Ion:	128	Resp:	19706
Ion	Ratio	Lower	Upper
128	100		
129	10.8	8.9	13.3
127	14.0	10.8	16.2





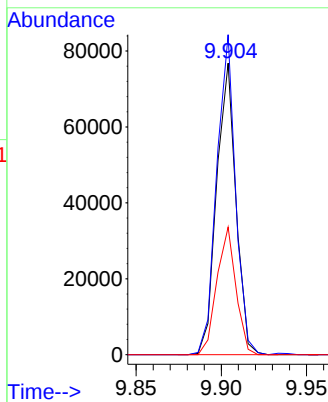
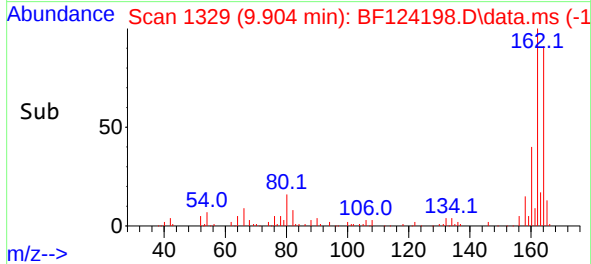
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.904 min Scan# 1329
Delta R.T. -0.000 min
Lab File: BF124198.D
Acq: 9 Jun 2021 1:07

Instrument :
BNA_F
ClientSampled :
18-B8(0-2)DL



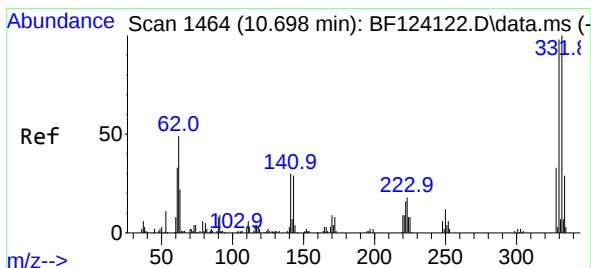
Tgt Ion:164 Resp: 60388
Ion Ratio Lower Upper
164 100
162 109.8 80.7 121.1
160 43.8 37.3 55.9

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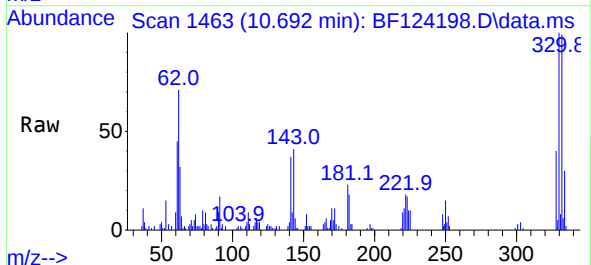


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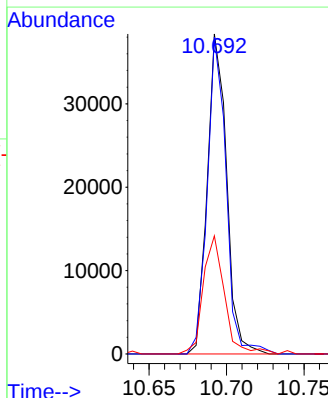
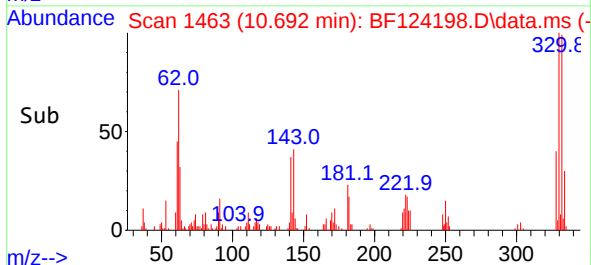
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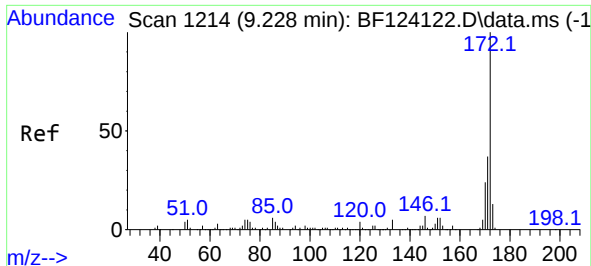


#42
2,4,6-Tribromophenol
Concen: 38.961 ng
RT: 10.692 min Scan# 1463
Delta R.T. -0.006 min
Lab File: BF124198.D
Acq: 9 Jun 2021 1:07



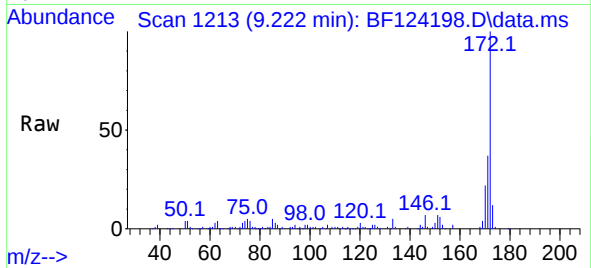
Tgt Ion:330 Resp: 33333
Ion Ratio Lower Upper
330 100
332 96.6 77.1 115.7
141 40.9 27.9 41.9





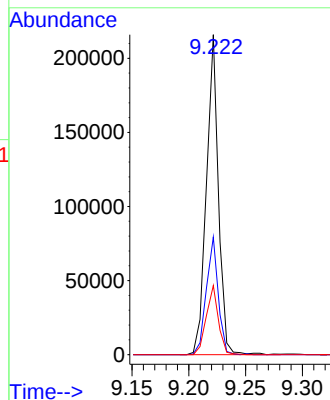
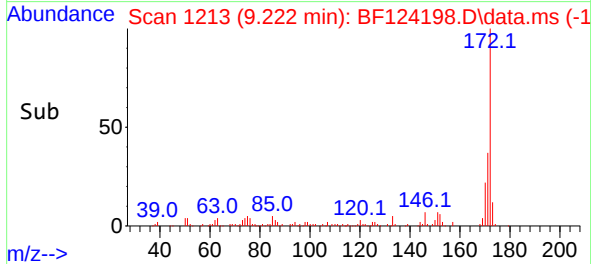
#45
2-Fluorobiphenyl
Concen: 33.030 ng
RT: 9.222 min Scan# 1213
Delta R.T. -0.006 min
Lab File: BF124198.D
Acq: 9 Jun 2021 1:07

Instrument :
BNA_F
ClientSampled :
18-B8(0-2)DL



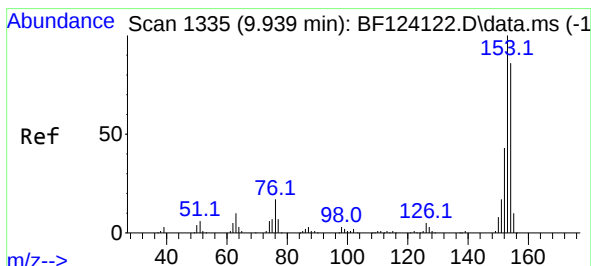
Tgt Ion:172 Resp: 158508
Ion Ratio Lower Upper
172 100
171 36.8 28.1 42.1
170 21.6 19.2 28.8

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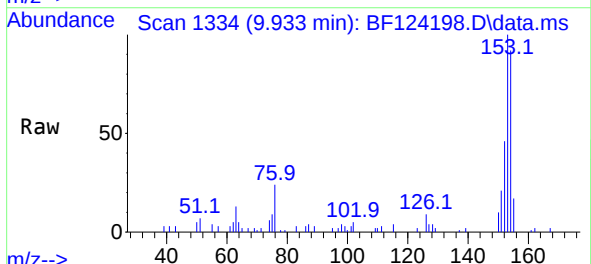


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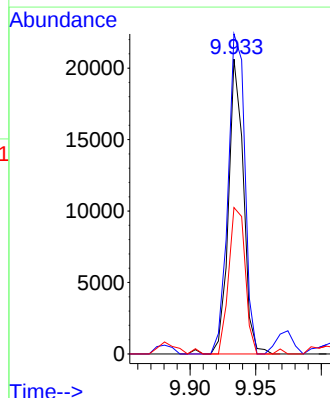
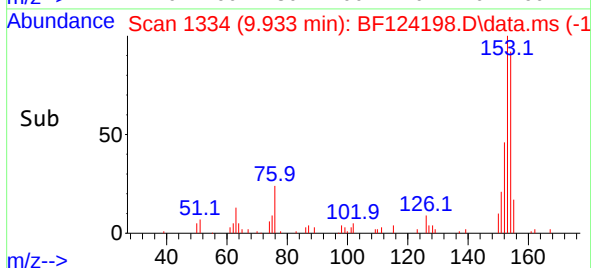
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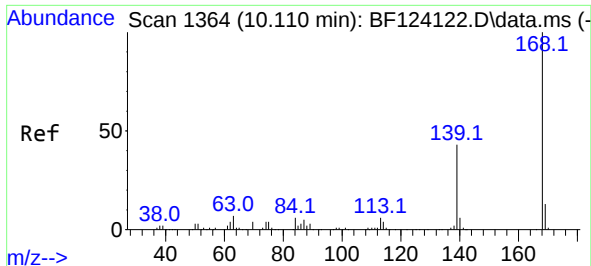


#52
Acenaphthene
Concen: 4.159 ng
RT: 9.933 min Scan# 1334
Delta R.T. -0.006 min
Lab File: BF124198.D
Acq: 9 Jun 2021 1:07

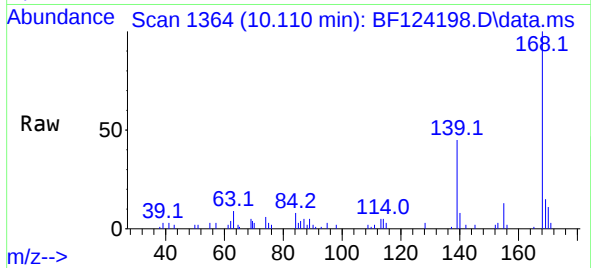


Tgt Ion:154 Resp: 16383
Ion Ratio Lower Upper
154 100
153 108.5 88.1 132.1
152 49.7 43.4 65.0

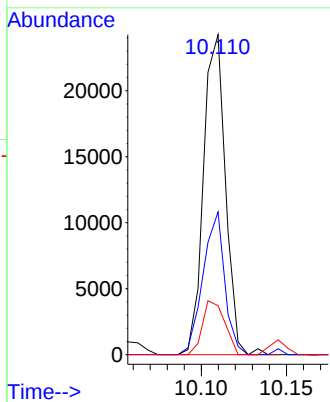
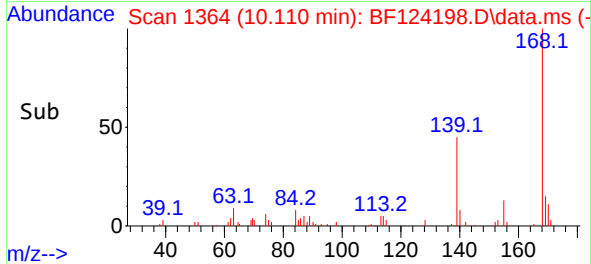




#55
Dibenzenofuran
Concen: 3.530 ng
RT: 10.110 min Scan# 1364
Delta R.T. -0.000 min
Lab File: BF124198.D
Acq: 9 Jun 2021 1:07



Tgt Ion:168 Resp: 21766
Ion Ratio Lower Upper
168 100
139 44.6 33.2 49.8
169 15.3 10.8 16.2

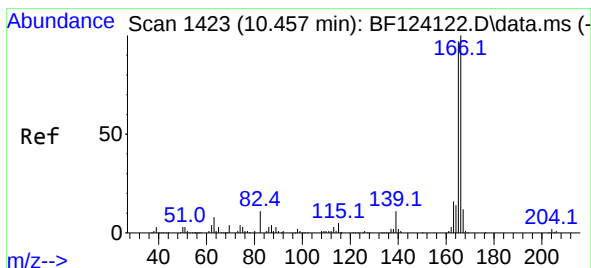


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18-B8(0-2)DL

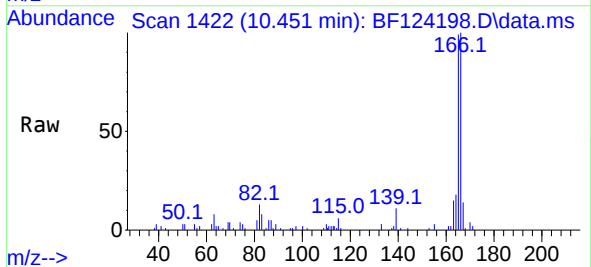
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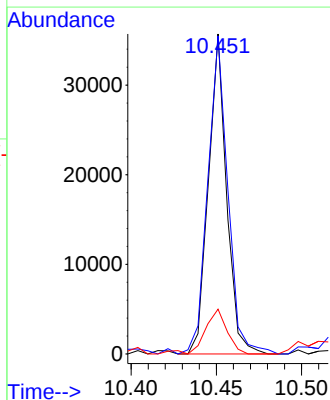
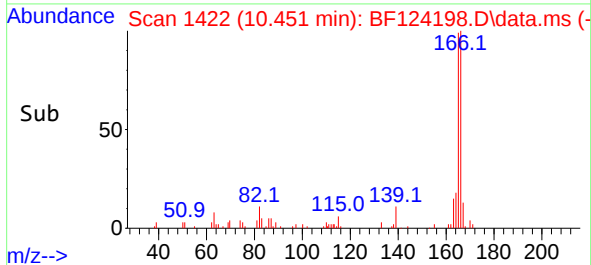
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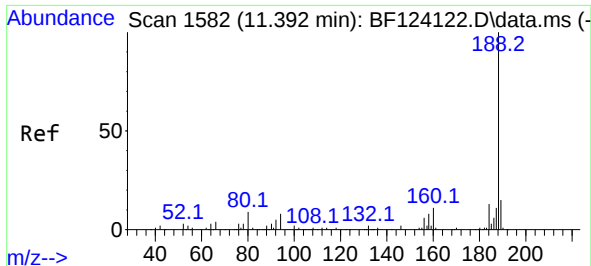


#58
Fluorene
Concen: 5.599 ng
RT: 10.451 min Scan# 1422
Delta R.T. -0.006 min
Lab File: BF124198.D
Acq: 9 Jun 2021 1:07



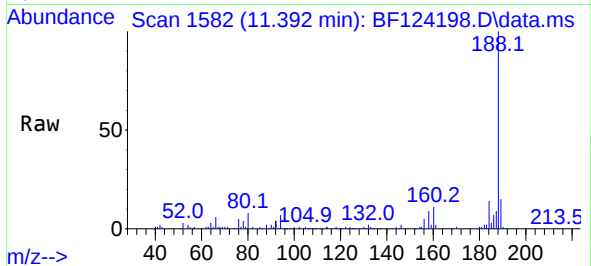
Tgt Ion:166 Resp: 26496
Ion Ratio Lower Upper
166 100
165 99.4 73.5 110.3
167 14.0 10.7 16.1





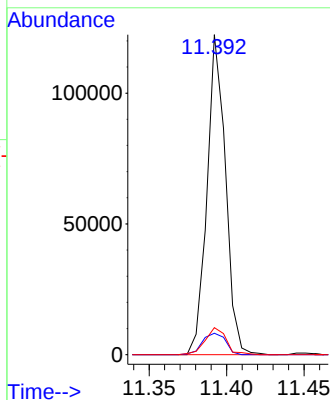
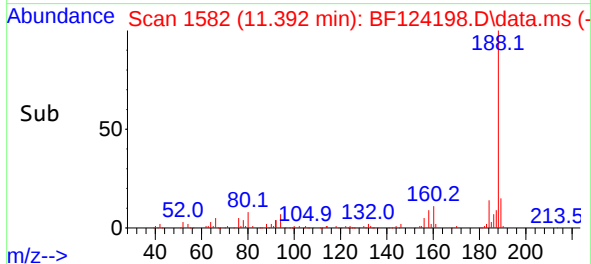
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.392 min Scan# 1582
Delta R.T. 0.000 min
Lab File: BF124198.D
Acq: 9 Jun 2021 1:07

Instrument :
BNA_F
ClientSampleID :
18-B8(0-2)DL



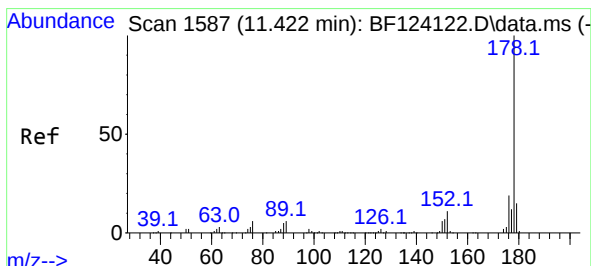
Tgt Ion:188 Resp: 101345
Ion Ratio Lower Upper
188 100
94 6.7 6.9 10.3#
80 8.4 8.2 12.2

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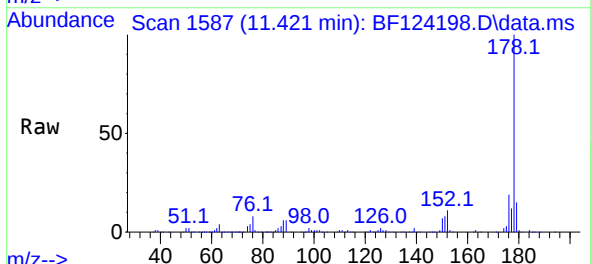


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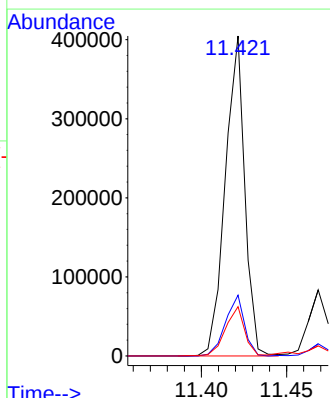
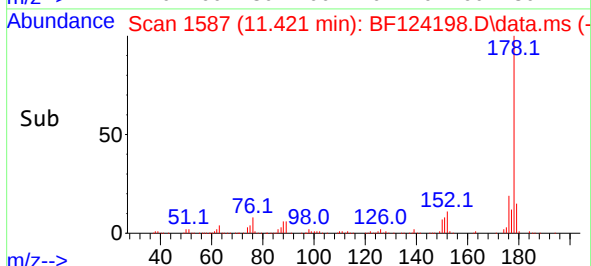
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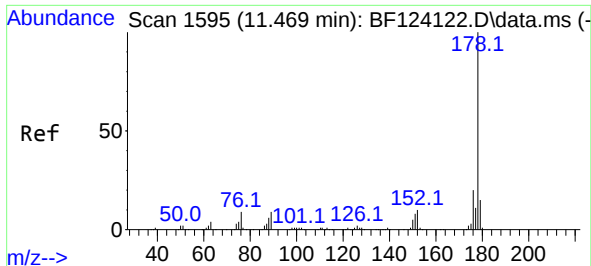


#71
Phenanthrene
Concen: 51.010 ng
RT: 11.421 min Scan# 1587
Delta R.T. -0.000 min
Lab File: BF124198.D
Acq: 9 Jun 2021 1:07



Tgt Ion:178 Resp: 322939
Ion Ratio Lower Upper
178 100
176 19.0 15.6 23.4
179 15.4 12.5 18.7



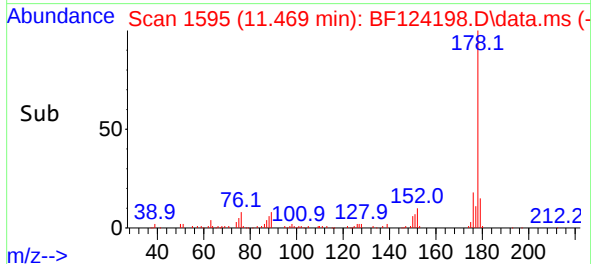
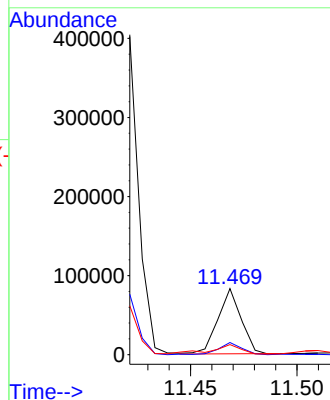
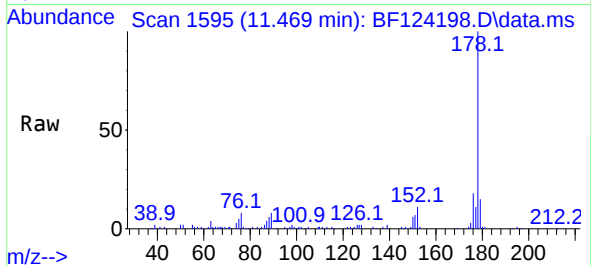


#72
 Anthracene
 Concen: 9.807 ng
 RT: 11.469 min Scan# 1595
 Delta R.T. -0.000 min
 Lab File: BF124198.D
 Acq: 9 Jun 2021 1:07

Tgt Ion:	178	Resp:	62529
Ion Ratio	Lower	Upper	
178	100		
176	18.5	15.4	23.0
179	15.3	12.6	18.8

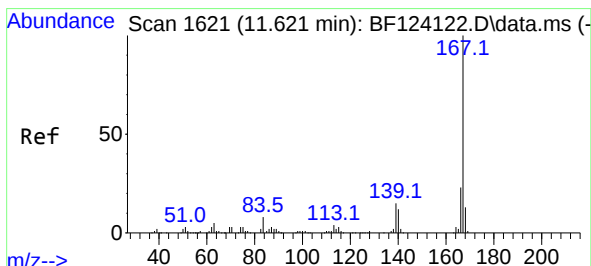
Instrument :
 BNA_F
 ClientSampleId :
 18-B8(0-2)DL

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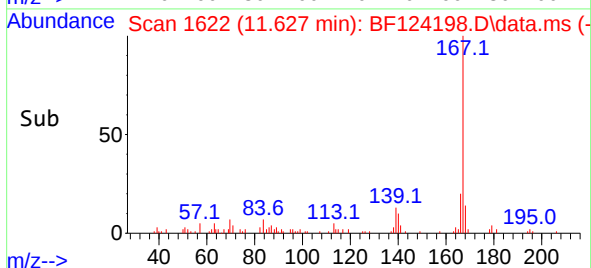
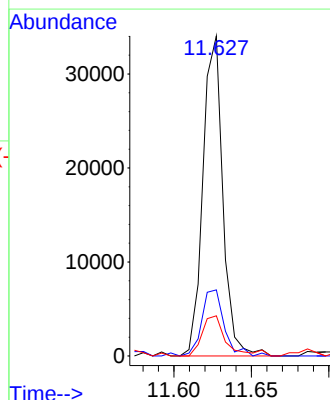
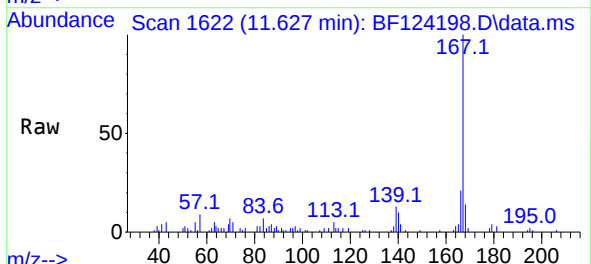
mohammad

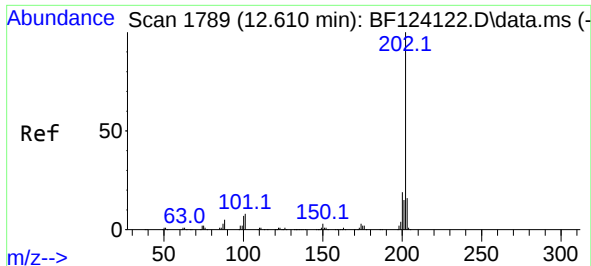
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#73
 Carbazole
 Concen: 5.480 ng
 RT: 11.627 min Scan# 1622
 Delta R.T. 0.006 min
 Lab File: BF124198.D
 Acq: 9 Jun 2021 1:07

Tgt Ion:	167	Resp:	30448
Ion Ratio	Lower	Upper	
167	100		
166	20.7	17.0	25.6
139	12.6	10.4	15.6



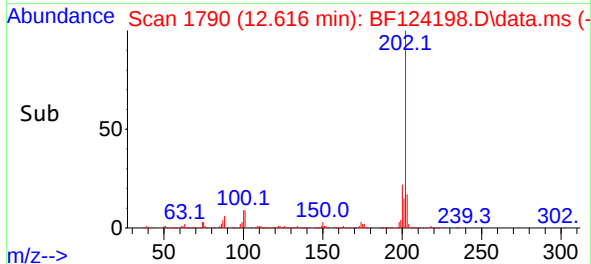
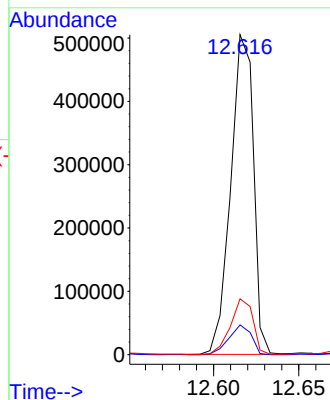
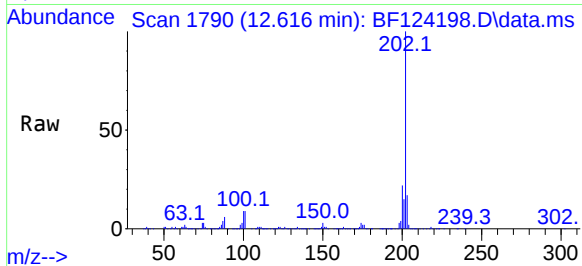


#75
Fluoranthene
Concen: 70.453 ng
RT: 12.616 min Scan# 1790
Delta R.T. 0.006 min
Lab File: BF124198.D
Acq: 9 Jun 2021 1:07

Tgt Ion:202 Resp: 468182
Ion Ratio Lower Upper
202 100
101 9.3 0.0 30.9
203 17.5 0.0 37.5

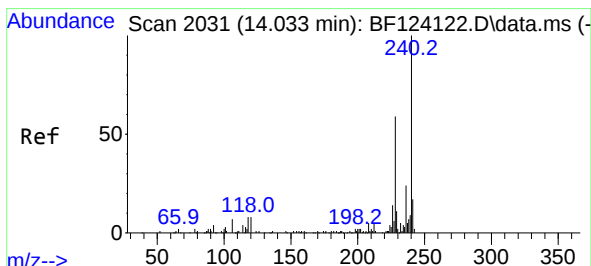
Instrument :
BNA_F
ClientSampleId :
18-B8(0-2)DL

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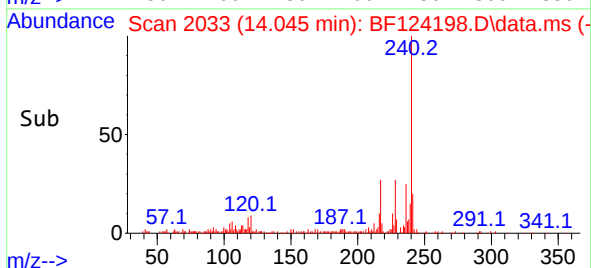
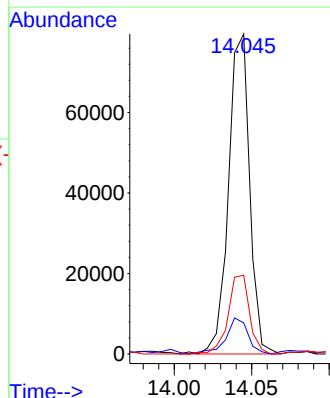
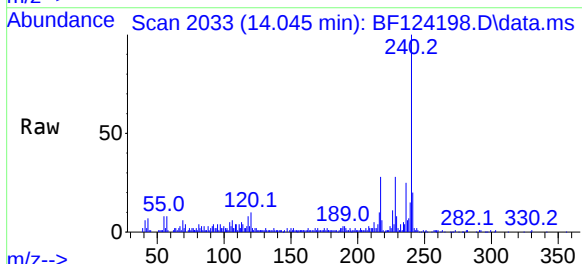
mohammad

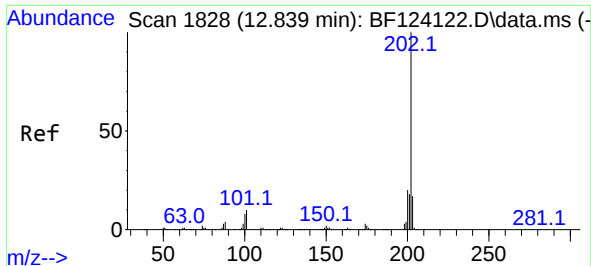
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#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 2033
Delta R.T. 0.012 min
Lab File: BF124198.D
Acq: 9 Jun 2021 1:07

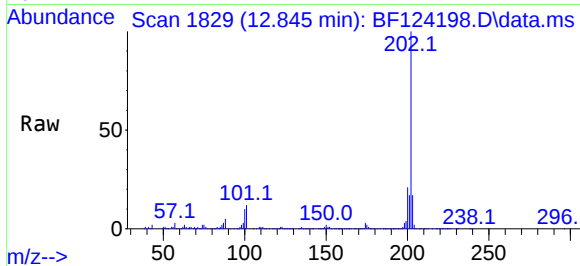
Tgt Ion:240 Resp: 75398
Ion Ratio Lower Upper
240 100
120 9.7 7.2 10.8
236 24.6 19.0 28.4





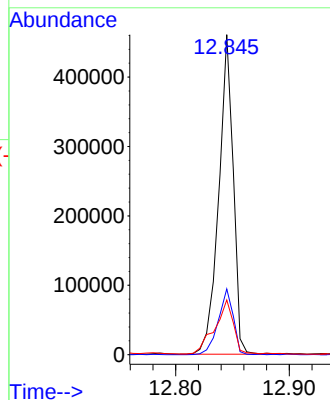
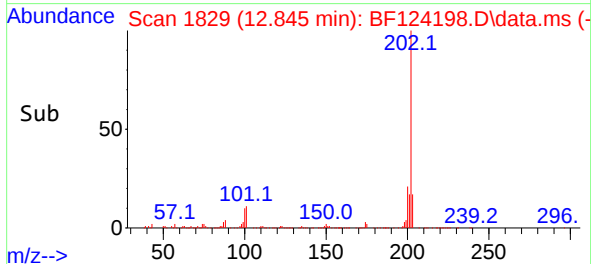
#78
Pyrene
Concen: 56.541 ng
RT: 12.845 min Scan# 1829
Delta R.T. 0.006 min
Lab File: BF124198.D
Acq: 9 Jun 2021 1:07

Instrument :
BNA_F
ClientSampleID :
18-B8(0-2)DL



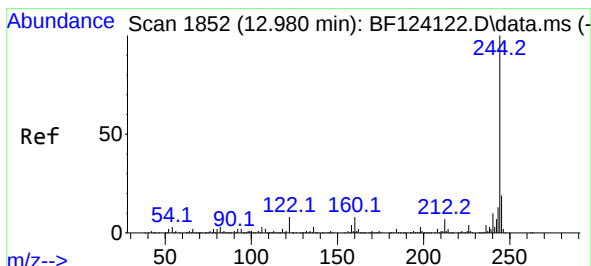
Tgt Ion:202 Resp: 409363
Ion Ratio Lower Upper
202 100
200 20.5 16.1 24.1
203 17.1 14.8 22.2

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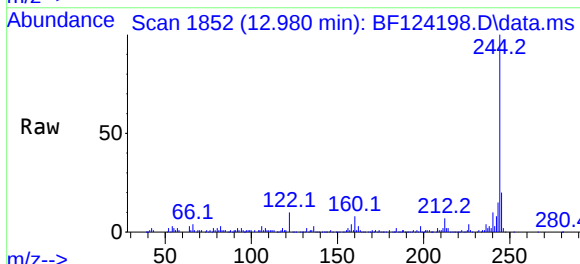


mohammad

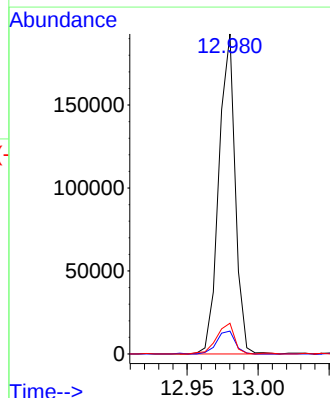
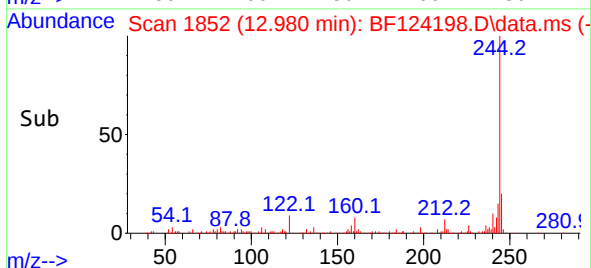
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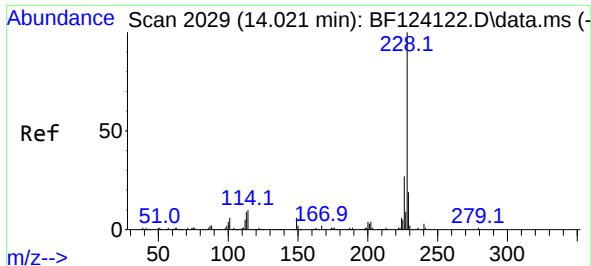


#79
Terphenyl-d14
Concen: 28.079 ng
RT: 12.980 min Scan# 1852
Delta R.T. -0.000 min
Lab File: BF124198.D
Acq: 9 Jun 2021 1:07



Tgt Ion:244 Resp: 154201
Ion Ratio Lower Upper
244 100
212 7.2 5.7 8.5
122 9.6 9.7 14.5#



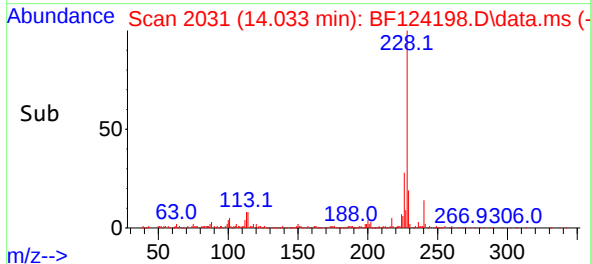
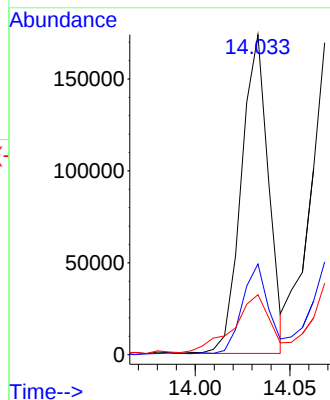
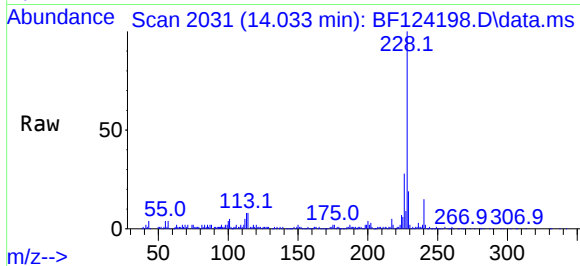


#81
Benzo(a)anthracene
Concen: 31.362 ng
RT: 14.033 min Scan# 2031
Delta R.T. 0.012 min
Lab File: BF124198.D
Acq: 9 Jun 2021 1:07

Tgt Ion:228 Resp: 172264
Ion Ratio Lower Upper
228 100
226 28.4 22.4 33.6
229 18.8 16.0 24.0

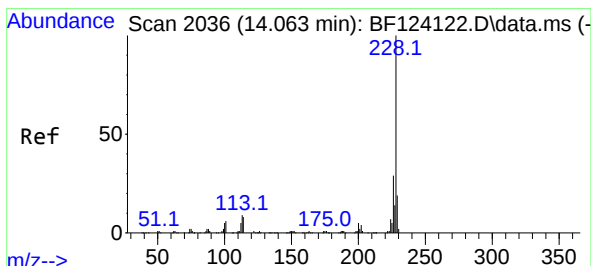
Instrument :
BNA_F
ClientSampleId :
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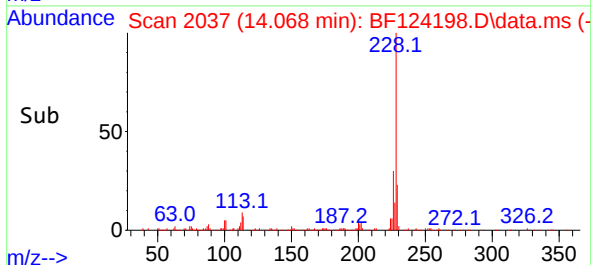
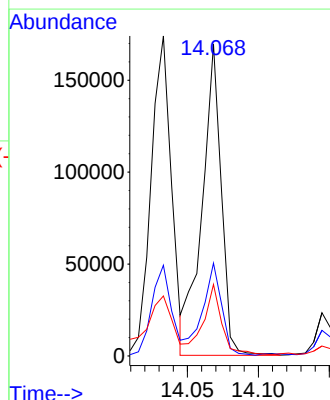
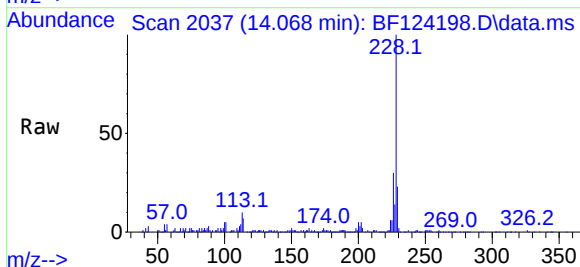
mohammad

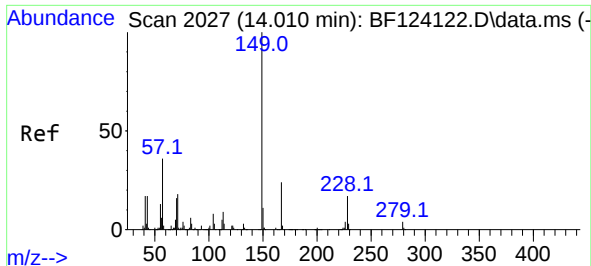
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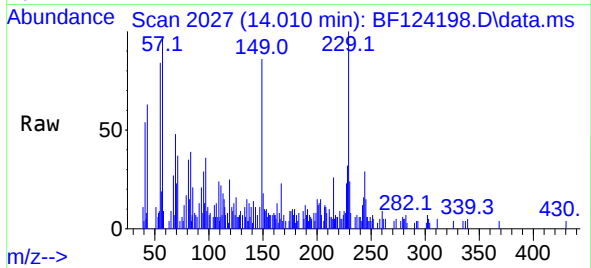
#83
Chrysene
Concen: 30.147 ng m
RT: 14.068 min Scan# 2037
Delta R.T. 0.006 min
Lab File: BF124198.D
Acq: 9 Jun 2021 1:07

Tgt Ion:228 Resp: 159763
Ion Ratio Lower Upper
228 100
226 29.8 24.3 36.5
229 22.9 16.2 24.2

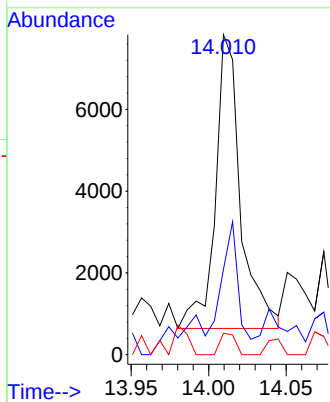
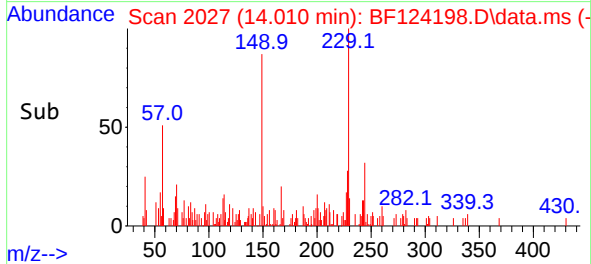




#84
Bis(2-ethylhexyl)phthalate
Concen: 2.332 ng
RT: 14.010 min Scan# 2027
Delta R.T. -0.000 min
Lab File: BF124198.D
Acq: 9 Jun 2021 1:07



Tgt Ion:149 Resp: 8149
Ion Ratio Lower Upper
149 100
167 26.7 21.8 32.6
279 6.7 3.3 4.9#

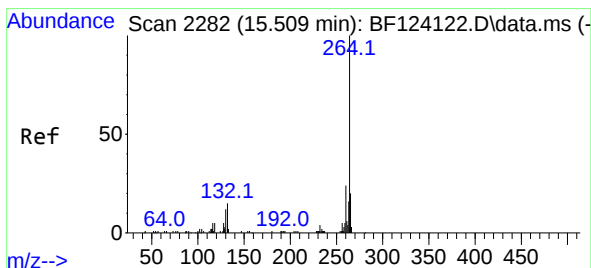


Instrument :
BNA_F
ClientSampleId :
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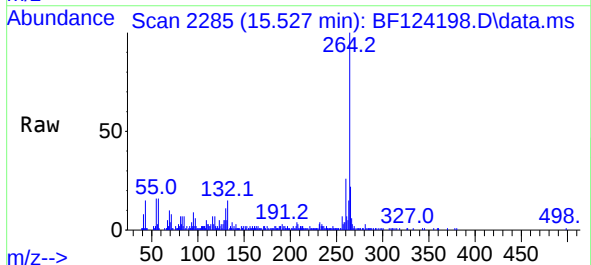
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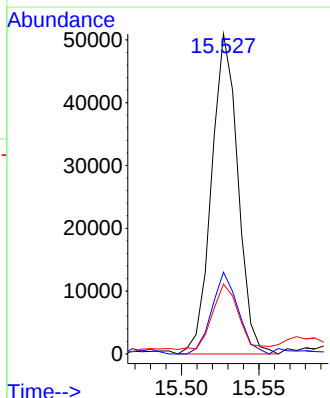
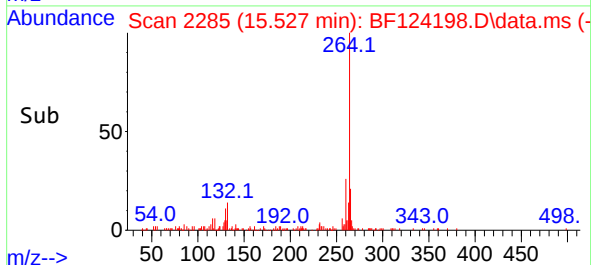
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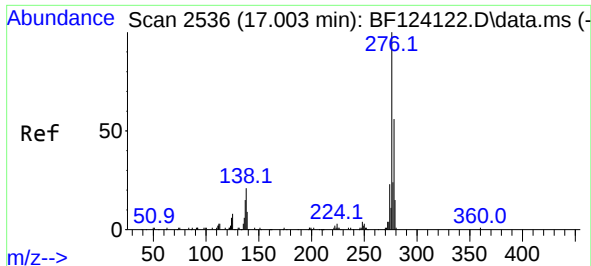


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.527 min Scan# 2285
Delta R.T. 0.018 min
Lab File: BF124198.D
Acq: 9 Jun 2021 1:07



Tgt Ion:264 Resp: 60187
Ion Ratio Lower Upper
264 100
260 25.5 18.7 28.1
265 21.8 17.8 26.8



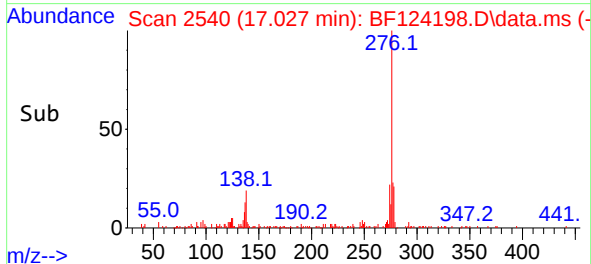
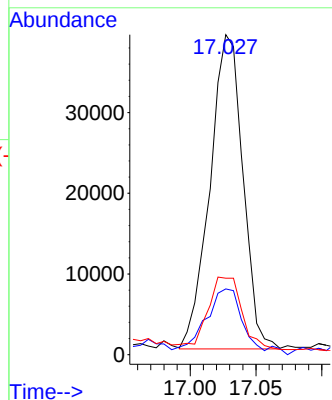
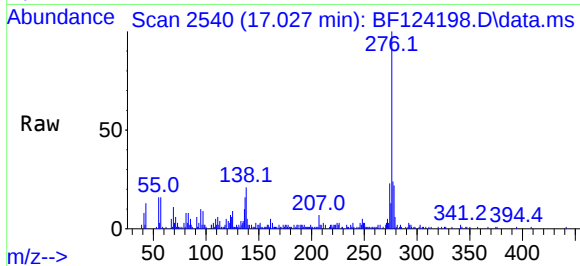


#87
Indeno(1,2,3-cd)pyrene
Concen: 16.663 ng m
RT: 17.027 min Scan# 2540
Delta R.T. 0.024 min
Lab File: BF124198.D
Acq: 9 Jun 2021 1:07

Tgt Ion: 276 Resp: 67885
Ion Ratio Lower Upper
276 100
138 3.8 16.2 24.2#
277 5.7 20.1 30.1#

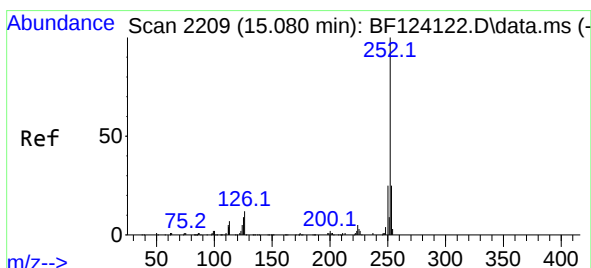
Instrument :
BNA_F
ClientSampleID :
18-B8(0-2)DL

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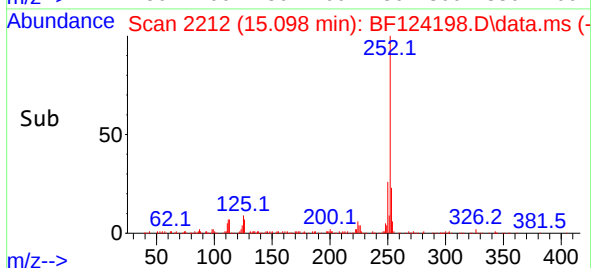
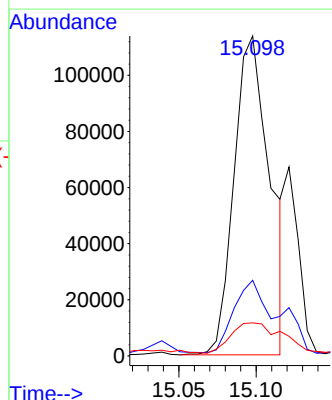
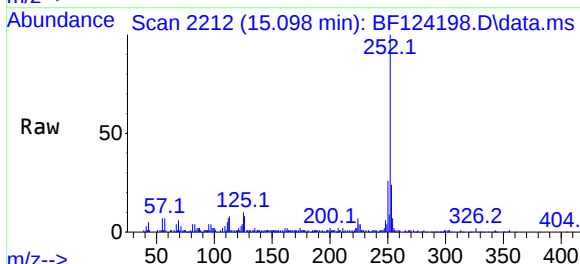
mohammad

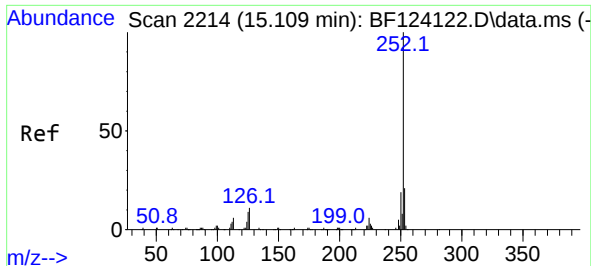
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#88
Benzo(b)fluoranthene
Concen: 39.110 ng m
RT: 15.098 min Scan# 2212
Delta R.T. 0.018 min
Lab File: BF124198.D
Acq: 9 Jun 2021 1:07

Tgt Ion: 252 Resp: 182853
Ion Ratio Lower Upper
252 100
253 23.7 18.1 27.1
125 10.3 6.2 9.4#



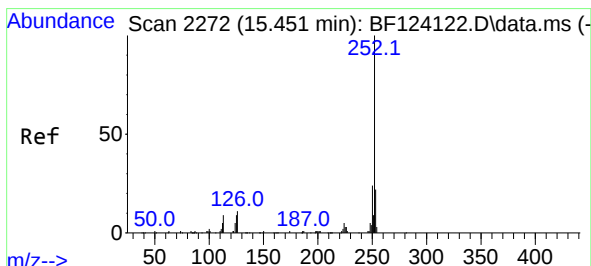
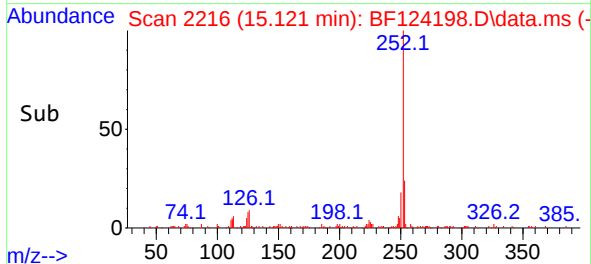
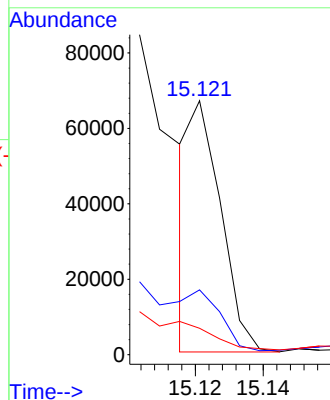
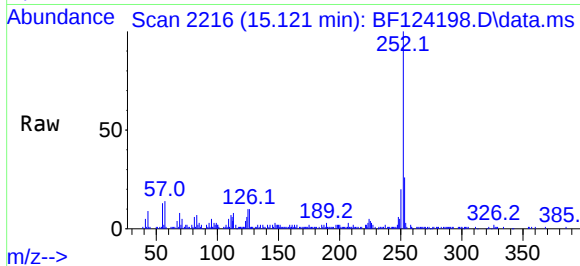


#89
Benzo(k)fluoranthene
Concen: 9.311 ng m
RT: 15.121 min Scan# 2216
Delta R.T. 0.012 min
Lab File: BF124198.D
Acq: 9 Jun 2021 1:07

Tgt Ion:	252	Resp:	41209
Ion Ratio	Lower	Upper	
252	100		
253	25.5	17.9	26.9
125	10.4	7.0	10.6

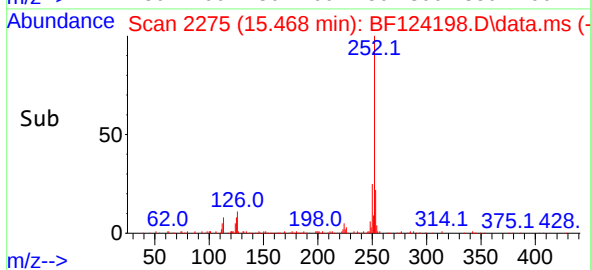
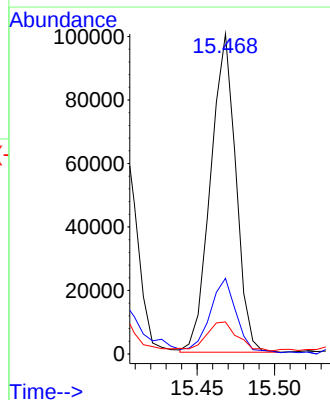
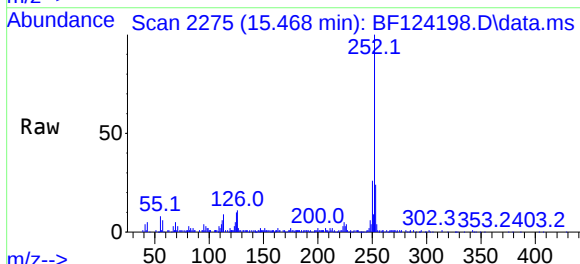
Instrument :
BNA_F
ClientSampleId :
18-B8(0-2)DL

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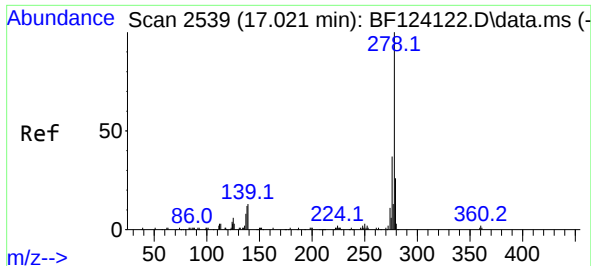
#90
Benzo(a)pyrene
Concen: 28.001 ng
RT: 15.468 min Scan# 2275
Delta R.T. 0.018 min
Lab File: BF124198.D
Acq: 9 Jun 2021 1:07

Tgt Ion:	252	Resp:	113710
Ion Ratio	Lower	Upper	
252	100		
253	23.7	18.4	27.6
125	10.0	8.0	12.0



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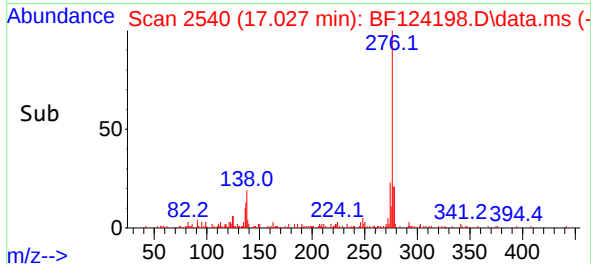
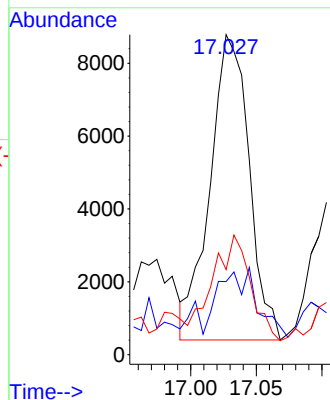
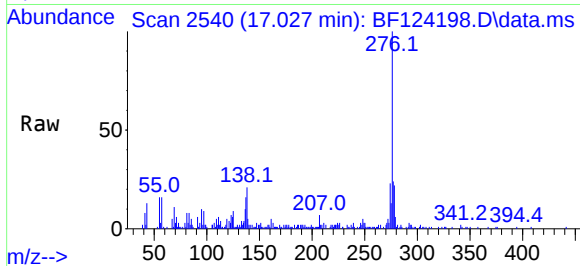


#91
Dibenzo(a,h)anthracene
Concen: 7.884 ng
RT: 17.027 min Scan# 2540
Delta R.T. 0.006 min
Lab File: BF124198.D
Acq: 9 Jun 2021 1:07

Tgt Ion:278 Resp: 17366
Ion Ratio Lower Upper
278 100
139 22.8 10.2 15.2#
279 26.6 19.4 29.0

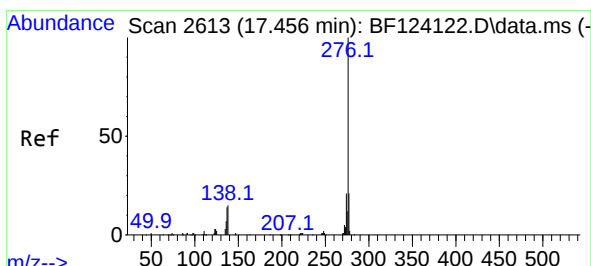
Instrument :
BNA_F
ClientSampleId :
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#92
Benzo(g,h,i)perylene
Concen: 17.278 ng m
RT: 17.480 min Scan# 2617
Delta R.T. 0.024 min
Lab File: BF124198.D
Acq: 9 Jun 2021 1:07

Tgt Ion:276 Resp: 61727
Ion Ratio Lower Upper
276 100
277 24.7 18.2 27.2
138 20.0 13.8 20.6

