

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060821\
 Data File : BF124192.D
 Acq On : 8 Jun 2021 21:50
 Operator : JU/CG
 Sample : M2599-01
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 339

Manual Integrations
 APPROVED

mohammad
 6/9/2021 3:51:31 PM

Quant Time: Jun 09 04:09:43 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	31320	20.000	ng	0.00
21) Naphthalene-d8	8.145	136	99863	20.000	ng	0.00
39) Acenaphthene-d10	9.898	164	50681	20.000	ng	0.00
64) Phenanthrene-d10	11.386	188	81254	20.000	ng	# 0.00
76) Chrysene-d12	14.039	240	84521	20.000	ng	0.00
86) Perylene-d12	15.527	264	72880	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.492	112	167200	80.362	ng	0.00
7) Phenol-d6	6.504	99	202420	72.380	ng	0.00
23) Nitrobenzene-d5	7.422	82	158049	62.770	ng	-0.01
42) 2,4,6-Tribromophenol	10.692	330	57836	80.548	ng	0.00
45) 2-Fluorobiphenyl	9.222	172	272298	67.609	ng	0.00
79) Terphenyl-d14	12.974	244	265635	43.150	ng	0.00
Target Compounds						Qvalue
49) Acenaphthylene	9.763	152	47915	9.466	ng	# 91
52) Acenaphthene	9.933	154	7732	2.339	ng	96
58) Fluorene	10.445	166	13898	3.499	ng	# 91
71) Phenanthrene	11.416	178	226966	44.715	ng	99
72) Anthracene	11.463	178	72276	14.139	ng	97
73) Carbazole	11.621	167	17886	4.015	ng	# 92
75) Fluoranthene	12.610	202	579191	108.708	ng	99
78) Pyrene	12.845	202	640123	78.870	ng	99
80) Butylbenzylphthalate	13.445	149	6680	2.029	ng	98
81) Benzo(a)anthracene	14.033	228	381483m	61.956	ng	
83) Chrysene	14.068	228	335266	56.436	ng	99
84) Bis(2-ethylhexyl)phtha...	14.010	149	22973	5.866	ng	# 99
87) Indeno(1,2,3-cd)pyrene	17.021	276	145654	26.179	ng	98
88) Benzo(b)fluoranthene	15.098	252	386244m	68.224	ng	
89) Benzo(k)fluoranthene	15.121	252	139569m	26.042	ng	
90) Benzo(a)pyrene	15.468	252	292966	59.578	ng	96
91) Dibenzo(a,h)anthracene	17.027	278	40126m	11.252	ng	
92) Benzo(g,h,i)perylene	17.480	276	130472	27.321	ng	99

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

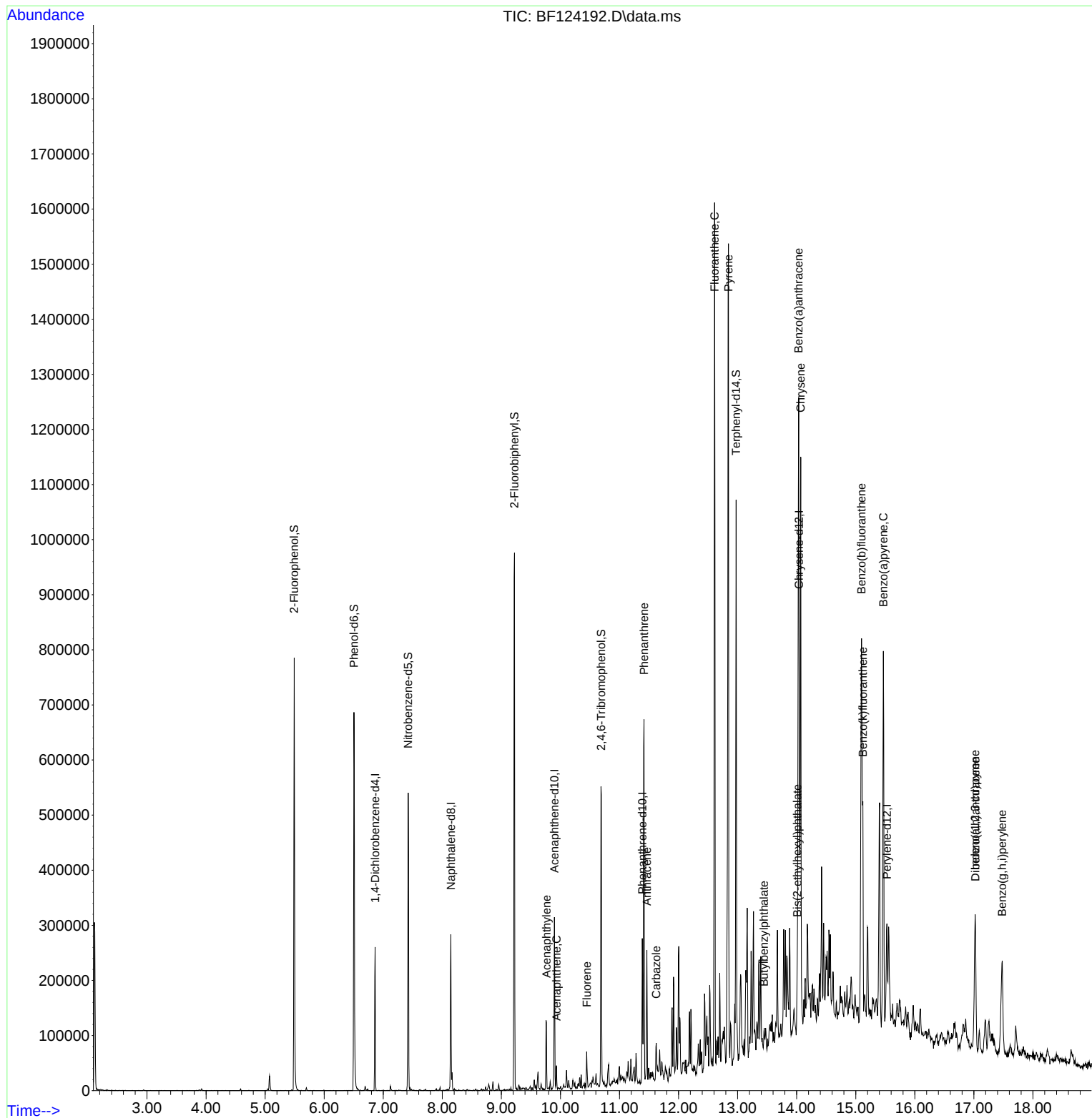
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060821\
Data File : BF124192.D
Acq On : 8 Jun 2021 21:50
Operator : JU/CG
Sample : M2599-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
339

Manual Integrations
APPROVED

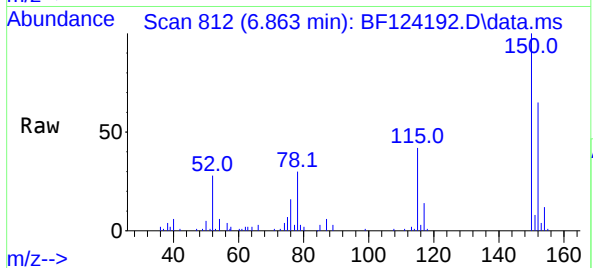
mohammad
6/9/2021 3:51:31 PM

Quant Time: Jun 09 04:09:43 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

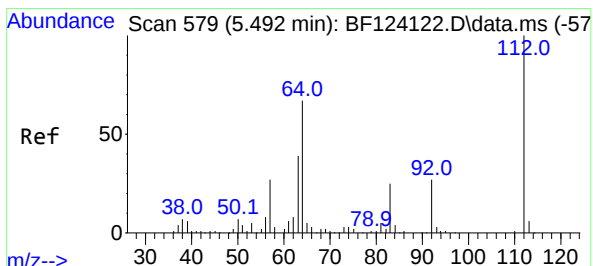
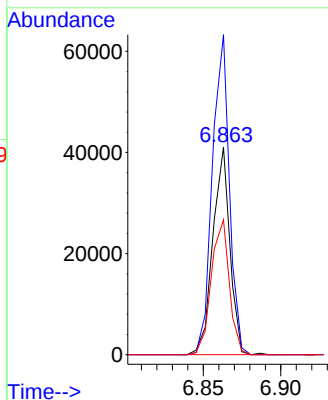
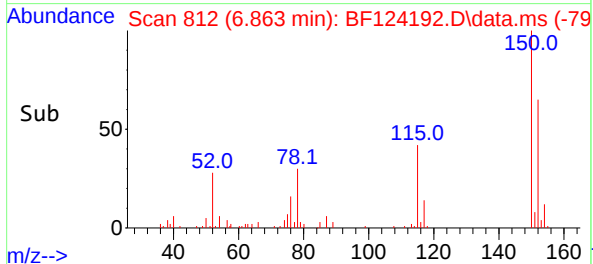




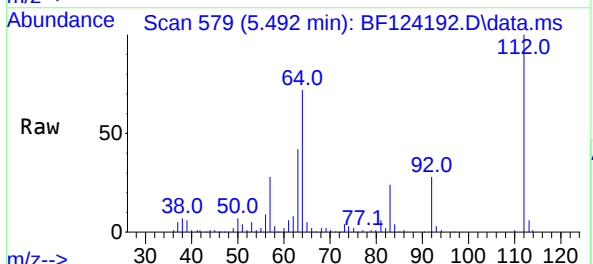
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.863 min Scan# 812
Delta R.T. -0.006 min
Lab File: BF124192.D
Acq: 8 Jun 2021 21:50



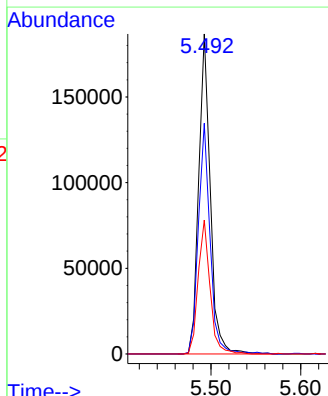
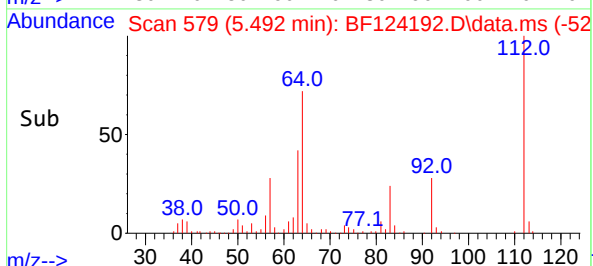
Tgt Ion:152 Resp: 31320
Ion Ratio Lower Upper
152 100
150 154.1 127.0 190.6
115 65.0 54.3 81.5



#5
2-Fluorophenol
Concen: 80.362 ng
RT: 5.492 min Scan# 579
Delta R.T. 0.000 min
Lab File: BF124192.D
Acq: 8 Jun 2021 21:50



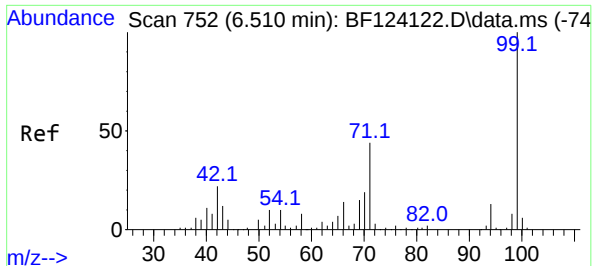
Tgt Ion:112 Resp: 167200
Ion Ratio Lower Upper
112 100
64 72.1 61.4 92.0
63 41.9 33.0 49.4



Instrument :
BNA_F
ClientSampled :
339

Manual Integrations
APPROVED

mohammad
6/9/2021 3:51:31 PM



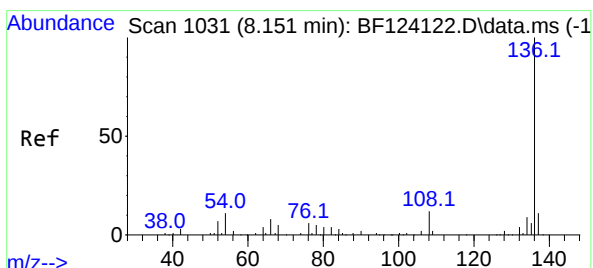
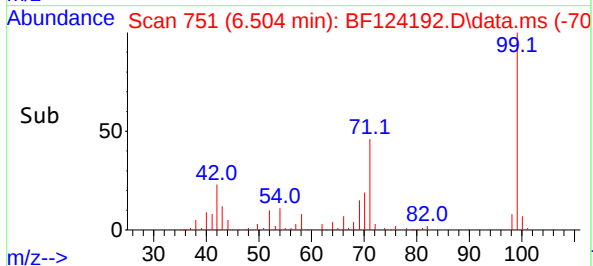
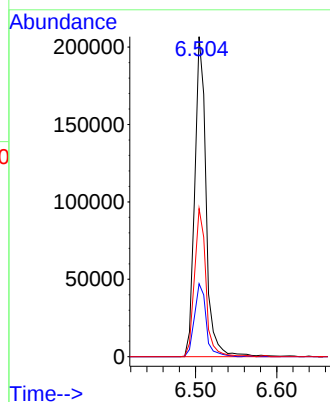
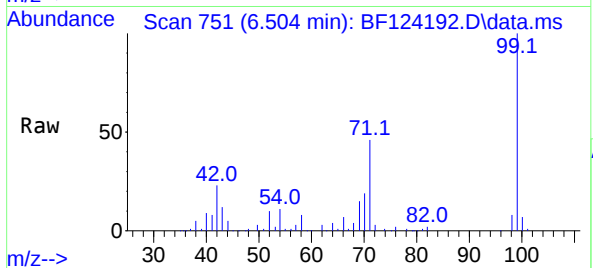
#7
Phenol-d6
Concen: 72.380 ng
RT: 6.504 min Scan# 751
Delta R.T. -0.006 min
Lab File: BF124192.D
Acq: 8 Jun 2021 21:50

Tgt Ion: 99 Resp: 202420
Ion Ratio Lower Upper
99 100
42 22.8 19.8 29.8
71 46.3 31.1 46.7

Instrument :
BNA_F
ClientSampled :
339

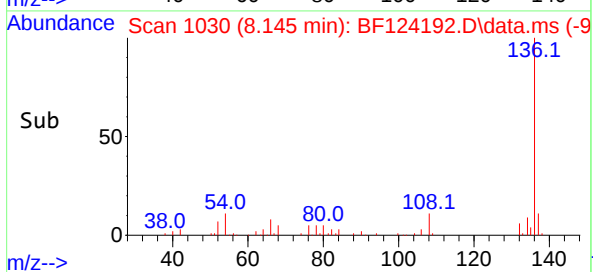
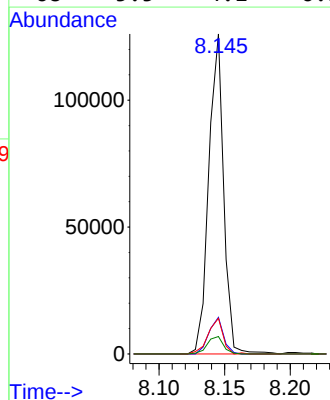
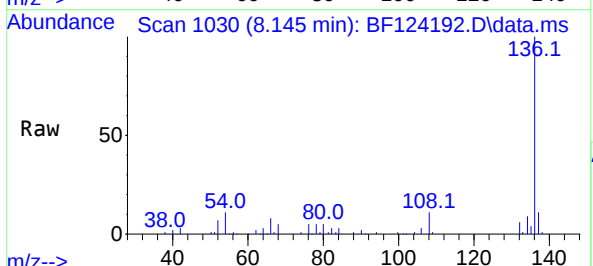
Manual Integrations
APPROVED

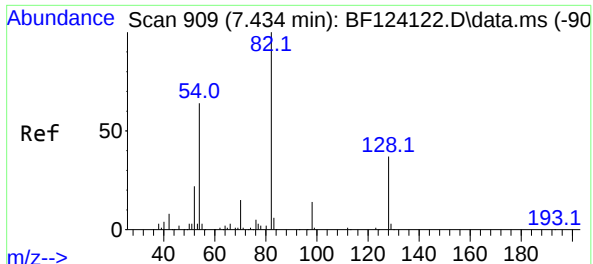
mohammad
6/9/2021 3:51:31 PM



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.145 min Scan# 1030
Delta R.T. -0.006 min
Lab File: BF124192.D
Acq: 8 Jun 2021 21:50

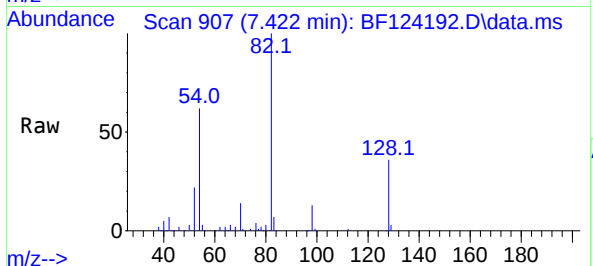
Tgt Ion: 136 Resp: 99863
Ion Ratio Lower Upper
136 100
137 11.4 8.7 13.1
54 11.2 9.8 14.6
68 5.5 4.1 6.1





#23
Nitrobenzene-d5
Concen: 62.770 ng
RT: 7.422 min Scan# 907
Delta R.T. -0.012 min
Lab File: BF124192.D
Acq: 8 Jun 2021 21:50

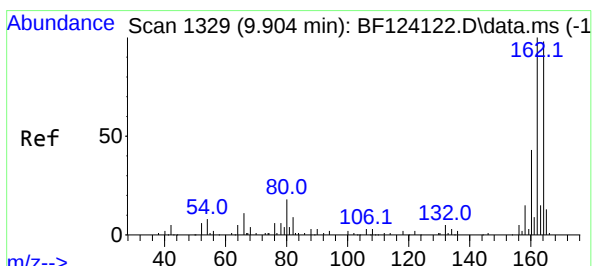
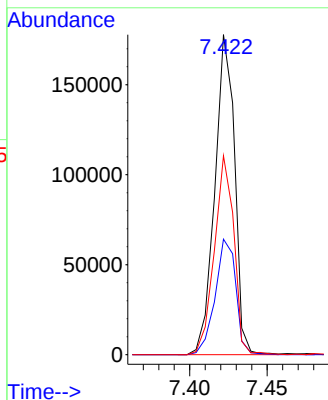
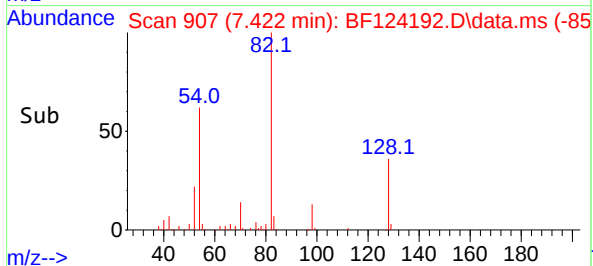
Instrument :
BNA_F
ClientSampled :
339



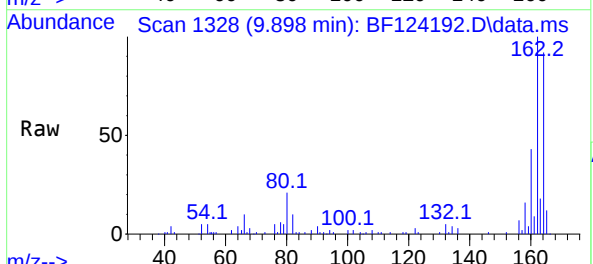
Tgt Ion: 82 Resp: 158049
Ion Ratio Lower Upper
82 100
128 36.1 29.4 44.2
54 62.1 54.1 81.1

Manual Integrations
APPROVED

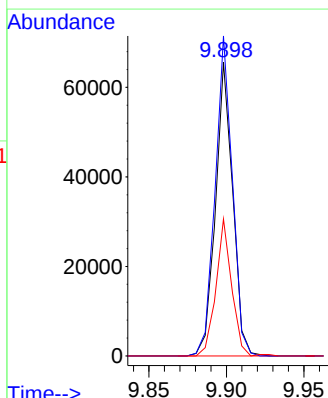
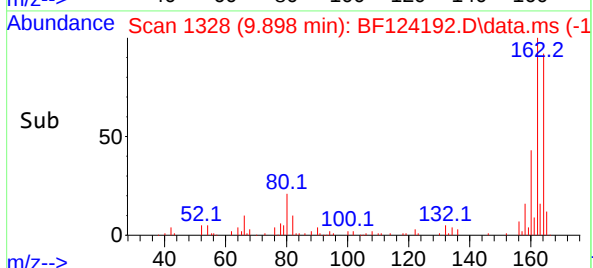
mohammad
6/9/2021 3:51:31 PM



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.898 min Scan# 1328
Delta R.T. -0.006 min
Lab File: BF124192.D
Acq: 8 Jun 2021 21:50



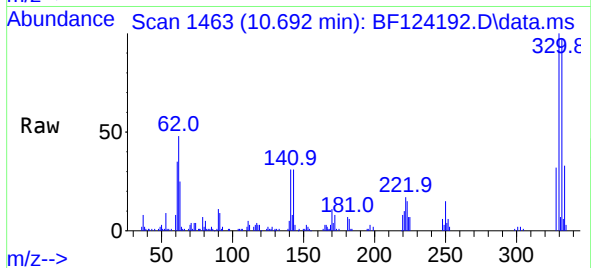
Tgt Ion: 164 Resp: 50681
Ion Ratio Lower Upper
164 100
162 108.8 80.7 121.1
160 46.6 37.3 55.9





#42
2,4,6-Tribromophenol
Concen: 80.548 ng
RT: 10.692 min Scan# 1463
Delta R.T. -0.006 min
Lab File: BF124192.D
Acq: 8 Jun 2021 21:50

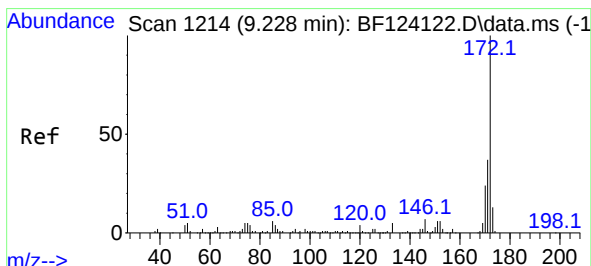
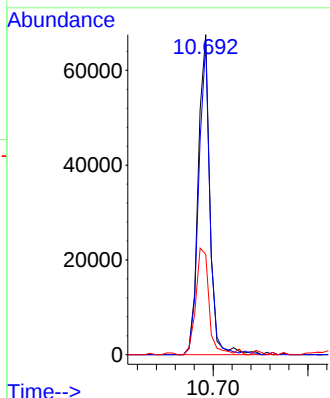
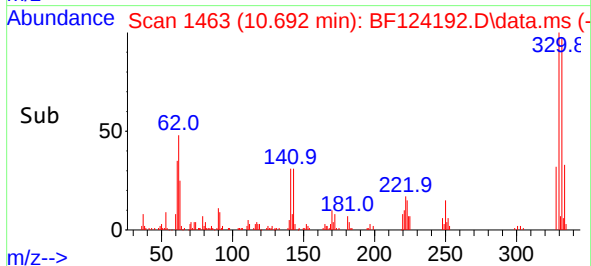
Instrument :
BNA_F
ClientSampled :
339



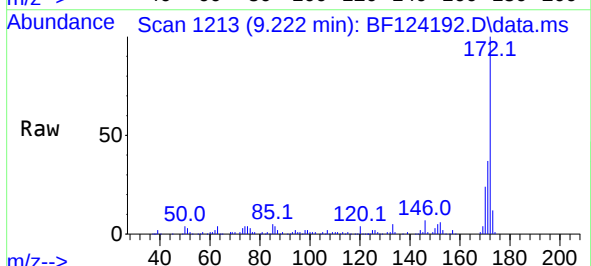
Tgt Ion:330 Resp: 57836
Ion Ratio Lower Upper
330 100
332 92.5 77.1 115.7
141 38.1 27.9 41.9

Manual Integrations
APPROVED

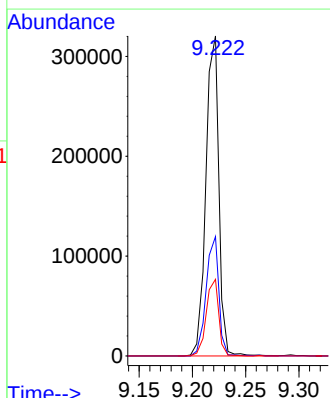
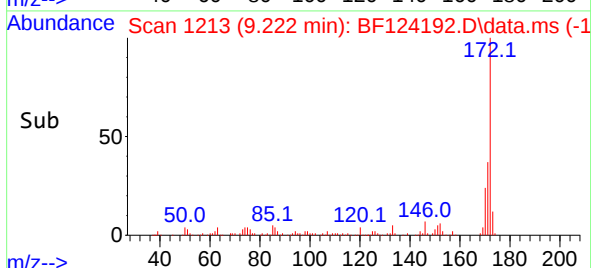
mohammad
6/9/2021 3:51:31 PM

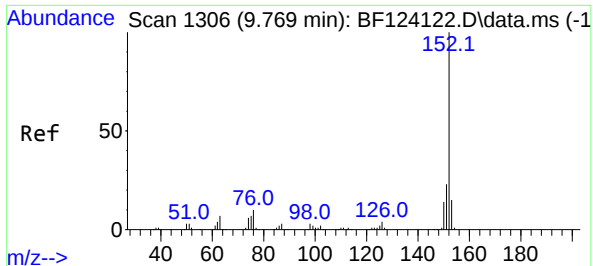


#45
2-Fluorobiphenyl
Concen: 67.609 ng
RT: 9.222 min Scan# 1213
Delta R.T. -0.006 min
Lab File: BF124192.D
Acq: 8 Jun 2021 21:50



Tgt Ion:172 Resp: 272298
Ion Ratio Lower Upper
172 100
171 37.3 28.1 42.1
170 24.0 19.2 28.8





#49

Acenaphthylene

Concen: 9.466 ng

RT: 9.763 min Scan# 1305

Delta R.T. -0.006 min

Lab File: BF124192.D

Acq: 8 Jun 2021 21:50

Tgt Ion:	152	Resp:	47915
Ion Ratio	Lower	Upper	
152	100		
151	26.2	16.0	24.0#
153	13.9	10.4	15.6

Instrument :

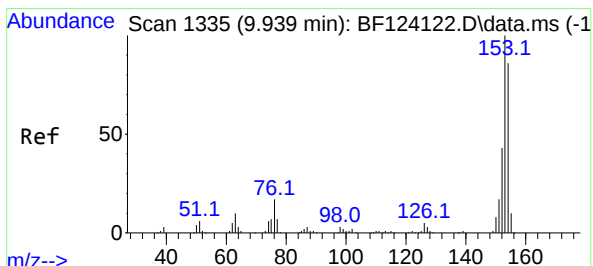
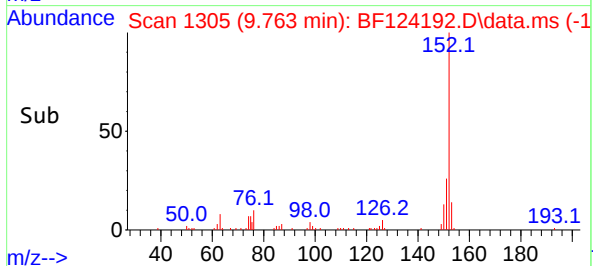
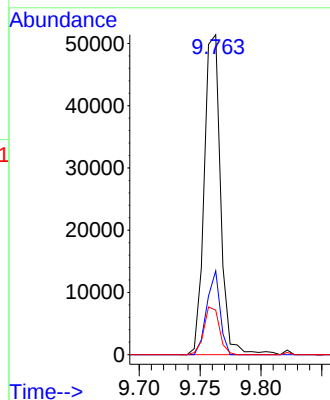
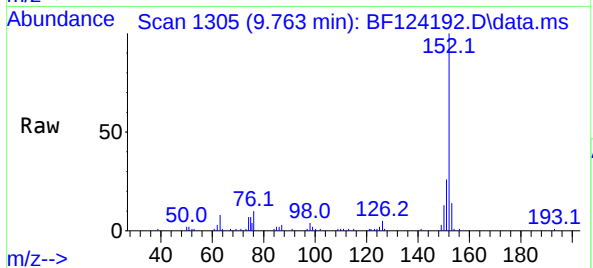
BNA_F

ClientSampled :

339

Manual Integrations
APPROVED

mohammad
6/9/2021 3:51:31 PM



#52

Acenaphthene

Concen: 2.339 ng

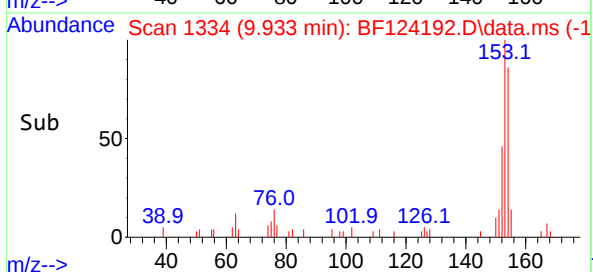
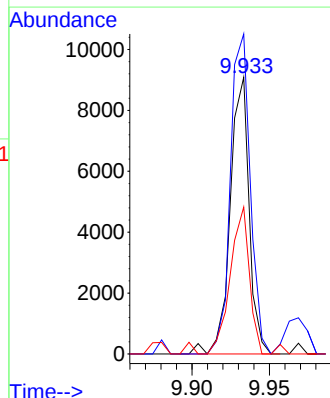
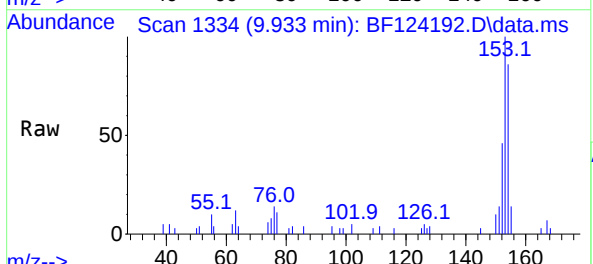
RT: 9.933 min Scan# 1334

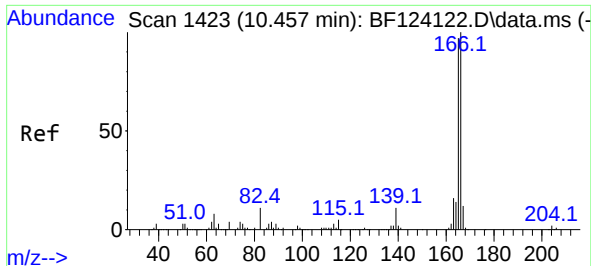
Delta R.T. -0.006 min

Lab File: BF124192.D

Acq: 8 Jun 2021 21:50

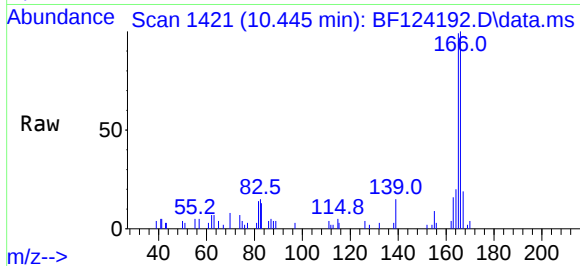
Tgt Ion:	154	Resp:	7732
Ion Ratio	Lower	Upper	
154	100		
153	115.7	88.1	132.1
152	53.1	43.4	65.0





#58
Fluorene
Concen: 3.499 ng
RT: 10.445 min Scan# 1421
Delta R.T. -0.012 min
Lab File: BF124192.D
Acq: 8 Jun 2021 21:50

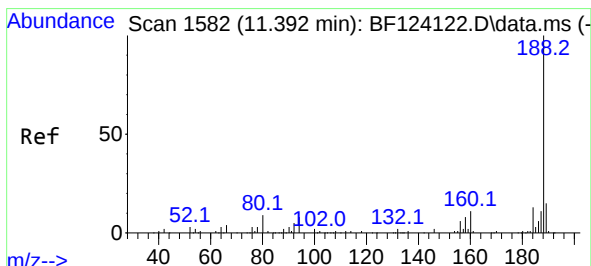
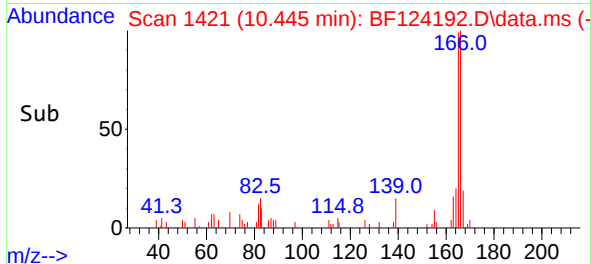
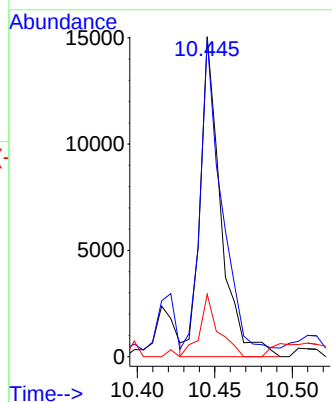
Instrument :
BNA_F
ClientSampled :
339



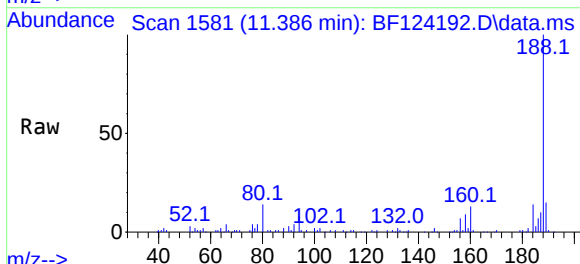
Tgt Ion:166 Resp: 13898
Ion Ratio Lower Upper
166 100
165 99.3 73.5 110.3
167 19.5 10.7 16.1#

Manual Integrations
APPROVED

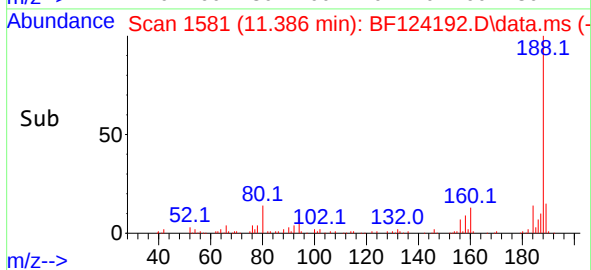
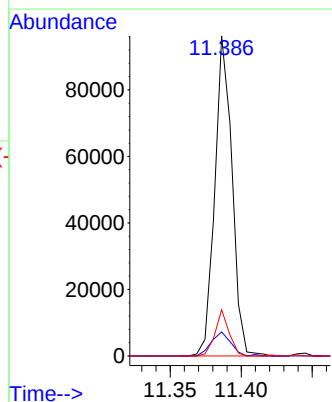
mohammad
6/9/2021 3:51:31 PM

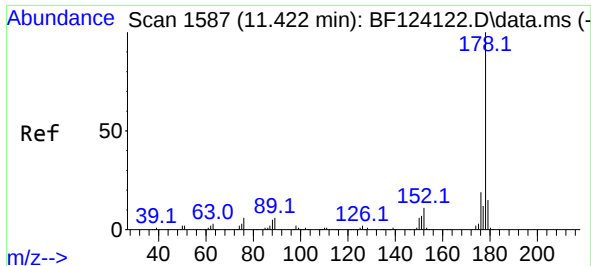


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.386 min Scan# 1581
Delta R.T. -0.006 min
Lab File: BF124192.D
Acq: 8 Jun 2021 21:50



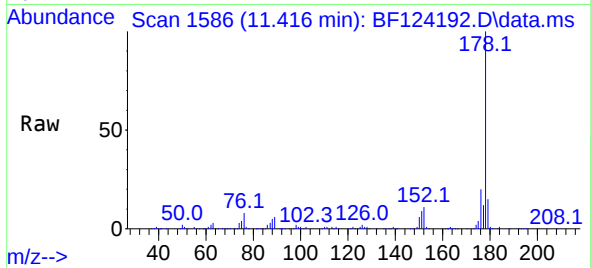
Tgt Ion:188 Resp: 81254
Ion Ratio Lower Upper
188 100
94 7.5 6.9 10.3
80 14.5 8.2 12.2#





#71
Phenanthrene
Concen: 44.715 ng
RT: 11.416 min Scan# 1586
Delta R.T. -0.006 min
Lab File: BF124192.D
Acq: 8 Jun 2021 21:50

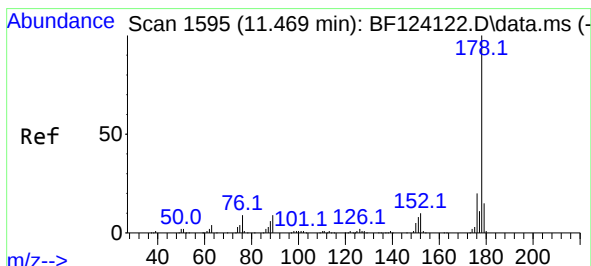
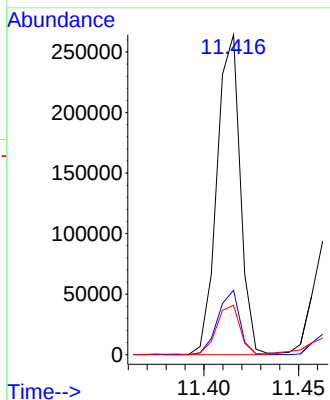
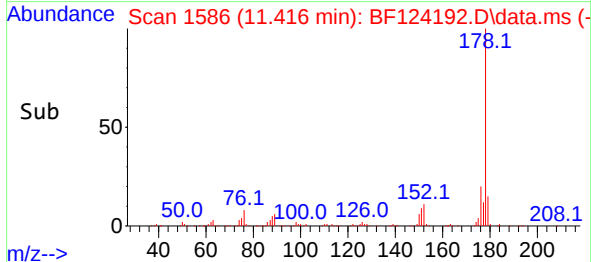
Instrument :
BNA_F
ClientSampled :
339



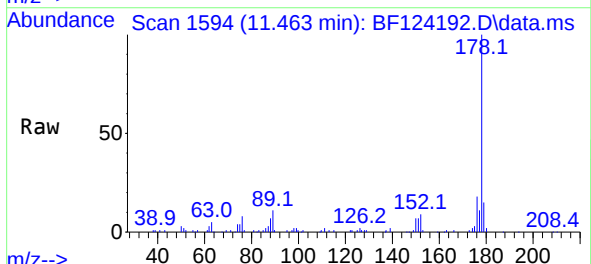
Tgt Ion:178 Resp: 226966
Ion Ratio Lower Upper
178 100
176 20.1 15.6 23.4
179 15.5 12.5 18.7

Manual Integrations
APPROVED

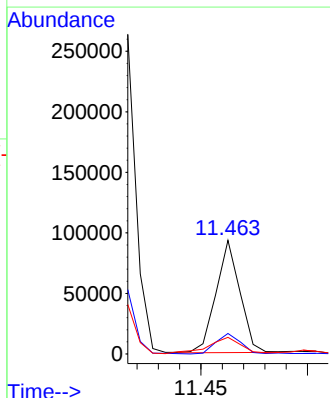
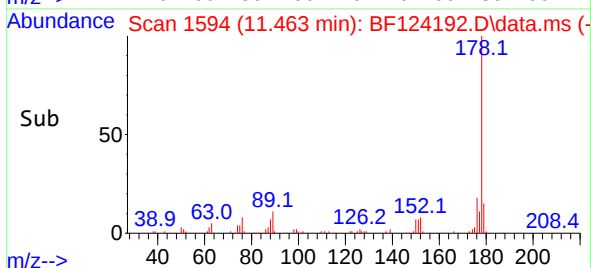
mohammad
6/9/2021 3:51:31 PM

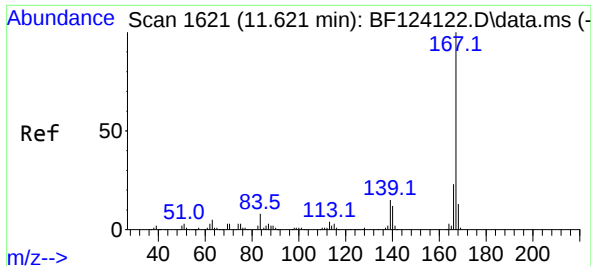


#72
Anthracene
Concen: 14.139 ng
RT: 11.463 min Scan# 1594
Delta R.T. -0.006 min
Lab File: BF124192.D
Acq: 8 Jun 2021 21:50



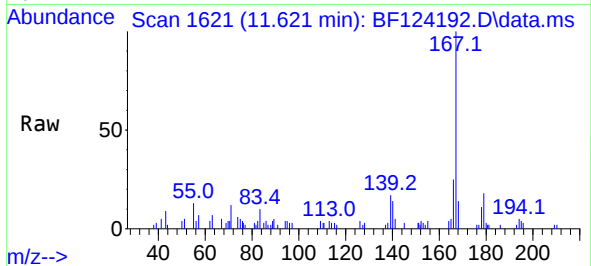
Tgt Ion:178 Resp: 72276
Ion Ratio Lower Upper
178 100
176 18.0 15.4 23.0
179 14.6 12.6 18.8





#73
 Carbazole
 Concen: 4.015 ng
 RT: 11.621 min Scan# 1621
 Delta R.T. 0.000 min
 Lab File: BF124192.D
 Acq: 8 Jun 2021 21:50

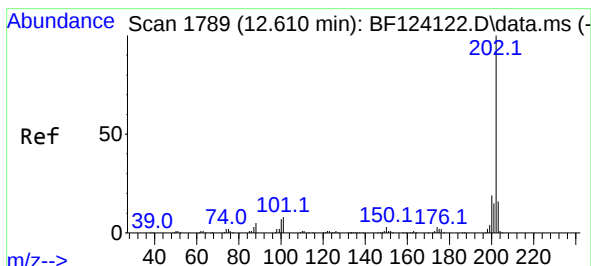
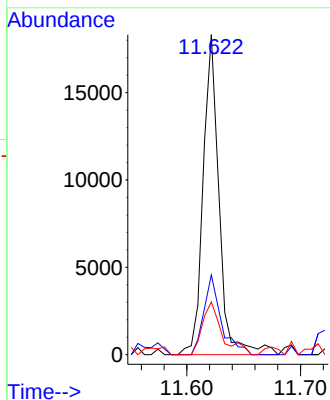
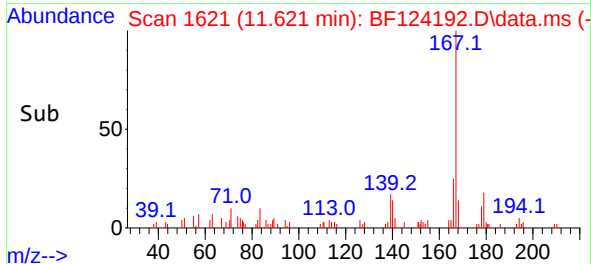
Instrument :
 BNA_F
 ClientSampled :
 339



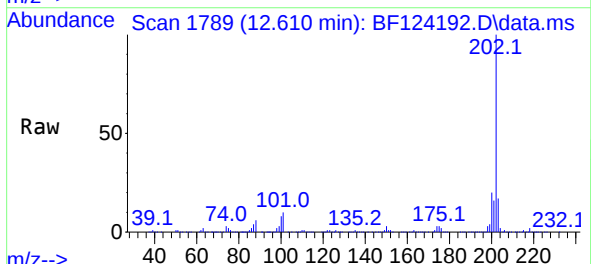
Tgt Ion:167 Resp: 17886
 Ion Ratio Lower Upper
 167 100
 166 24.9 17.0 25.6
 139 16.5 10.4 15.6#

Manual Integrations
 APPROVED

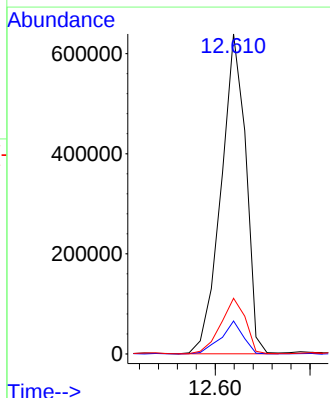
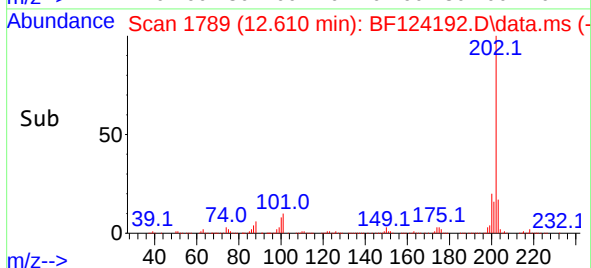
mohammad
 6/9/2021 3:51:31 PM

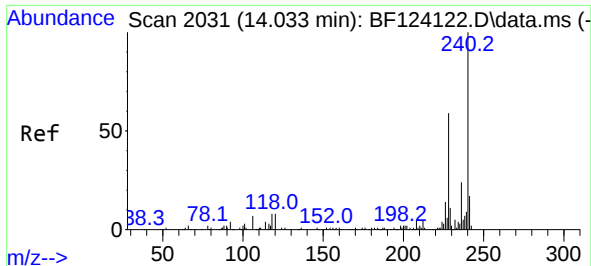


#75
 Fluoranthene
 Concen: 108.708 ng
 RT: 12.610 min Scan# 1789
 Delta R.T. 0.000 min
 Lab File: BF124192.D
 Acq: 8 Jun 2021 21:50



Tgt Ion:202 Resp: 579191
 Ion Ratio Lower Upper
 202 100
 101 10.3 0.0 30.9
 203 17.4 0.0 37.5





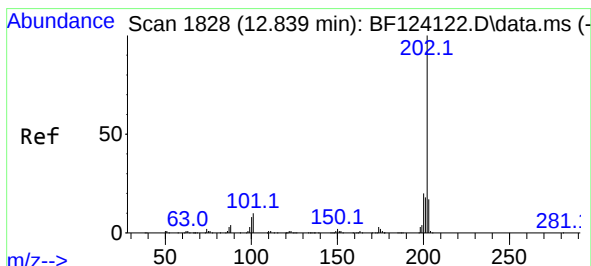
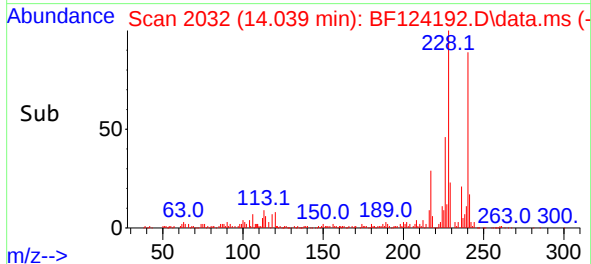
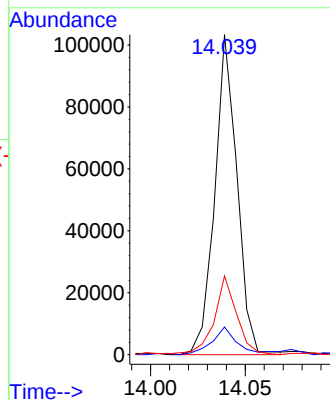
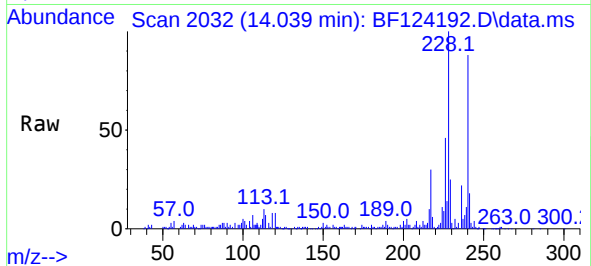
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.039 min Scan# 2032
Delta R.T. 0.006 min
Lab File: BF124192.D
Acq: 8 Jun 2021 21:50

Tgt Ion:240 Resp: 84521
Ion Ratio Lower Upper
240 100
120 8.7 7.2 10.8
236 24.6 19.0 28.4

Instrument :
BNA_F
ClientSampled :
339

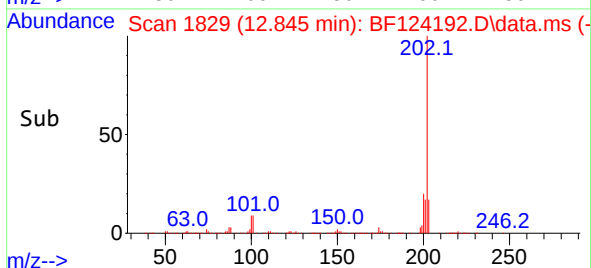
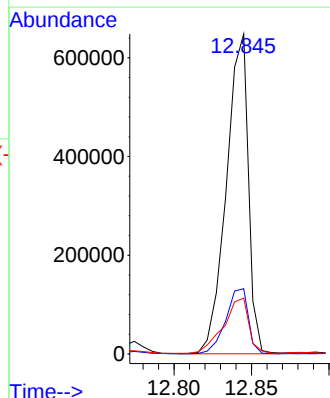
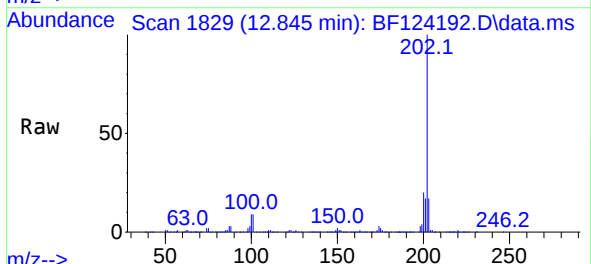
Manual Integrations
APPROVED

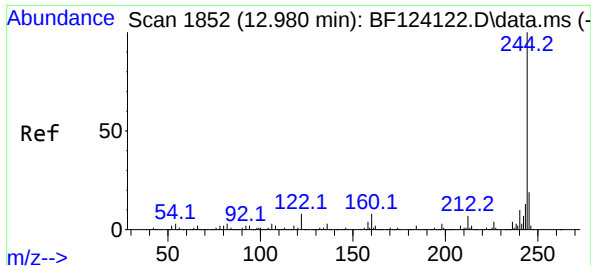
mohammad
6/9/2021 3:51:31 PM



#78
Pyrene
Concen: 78.870 ng
RT: 12.845 min Scan# 1829
Delta R.T. 0.006 min
Lab File: BF124192.D
Acq: 8 Jun 2021 21:50

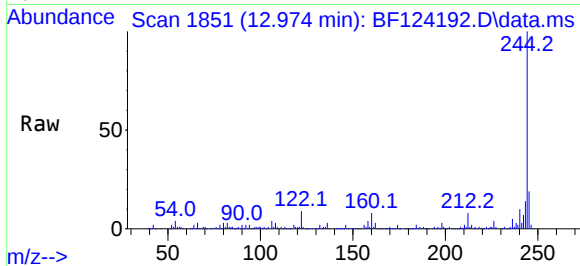
Tgt Ion:202 Resp: 640123
Ion Ratio Lower Upper
202 100
200 20.4 16.1 24.1
203 17.4 14.8 22.2





#79
Terphenyl-d14
Concen: 43.150 ng
RT: 12.974 min Scan# 1851
Delta R.T. -0.006 min
Lab File: BF124192.D
Acq: 8 Jun 2021 21:50

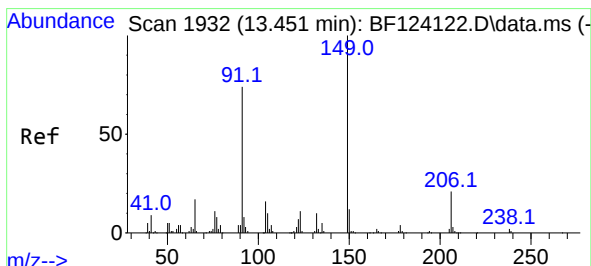
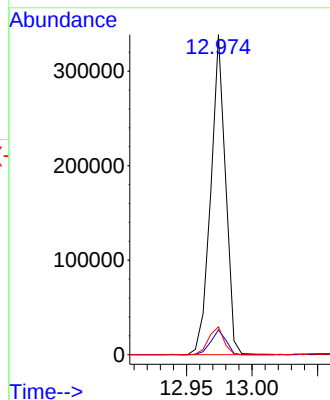
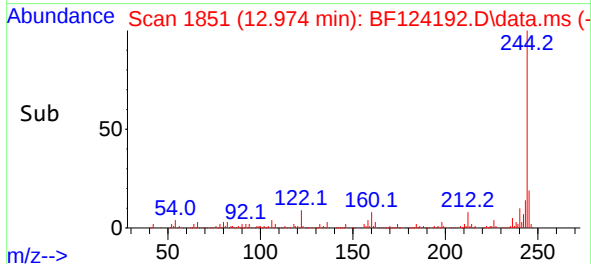
Instrument :
BNA_F
ClientSampled :
339



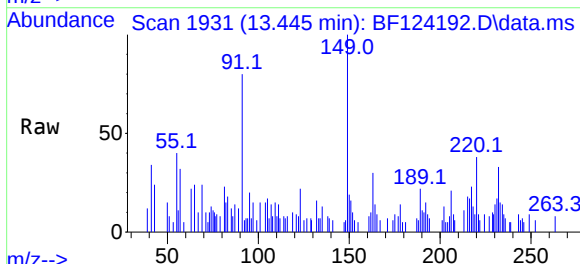
Tgt Ion:244 Resp: 265635
Ion Ratio Lower Upper
244 100
212 7.7 5.7 8.5
122 8.7 9.7 14.5#

Manual Integrations
APPROVED

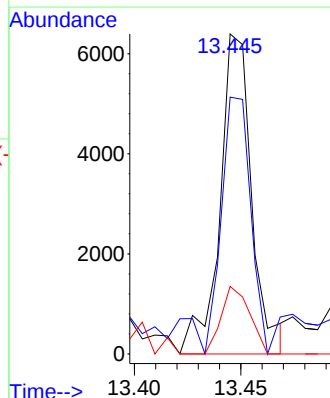
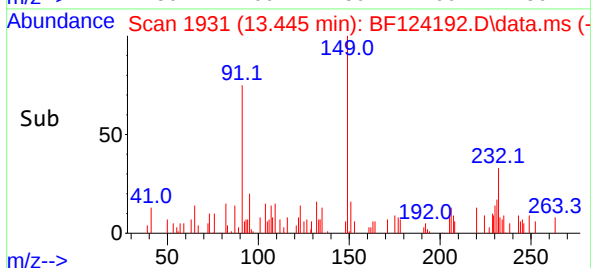
mohammad
6/9/2021 3:51:31 PM

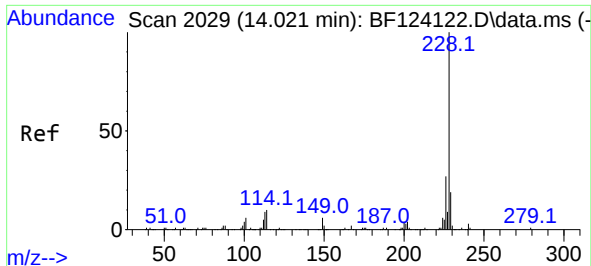


#80
Butylbenzylphthalate
Concen: 2.029 ng
RT: 13.445 min Scan# 1931
Delta R.T. -0.006 min
Lab File: BF124192.D
Acq: 8 Jun 2021 21:50

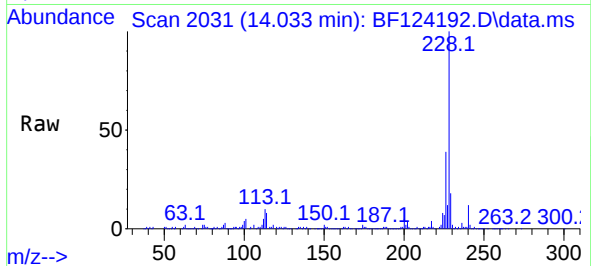


Tgt Ion:149 Resp: 6680
Ion Ratio Lower Upper
149 100
91 80.2 63.6 95.4
206 21.1 14.5 21.7

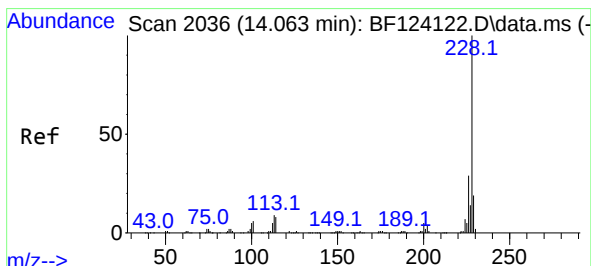
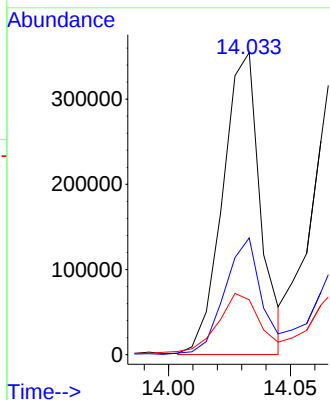
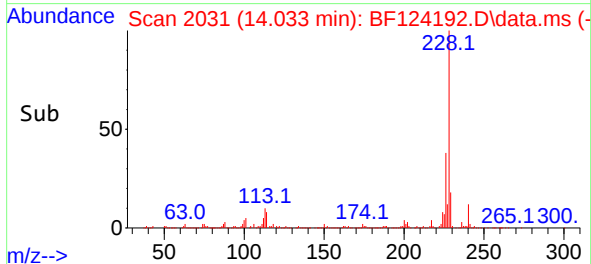




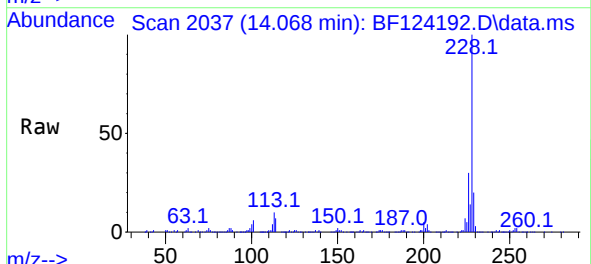
#81
Benzo(a)anthracene
Concen: 61.956 ng m
RT: 14.033 min Scan# 2031
Delta R.T. 0.012 min
Lab File: BF124192.D
Acq: 8 Jun 2021 21:50



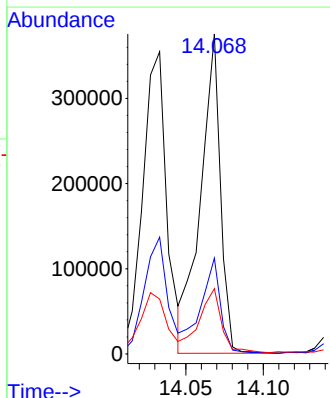
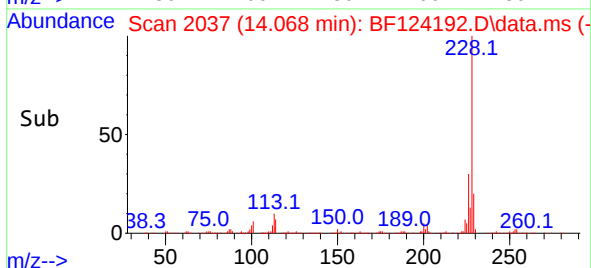
Tgt Ion:228 Resp: 381483
Ion Ratio Lower Upper
228 100
226 38.7 22.4 33.6#
229 18.2 16.0 24.0



#83
Chrysene
Concen: 56.436 ng
RT: 14.068 min Scan# 2037
Delta R.T. 0.006 min
Lab File: BF124192.D
Acq: 8 Jun 2021 21:50



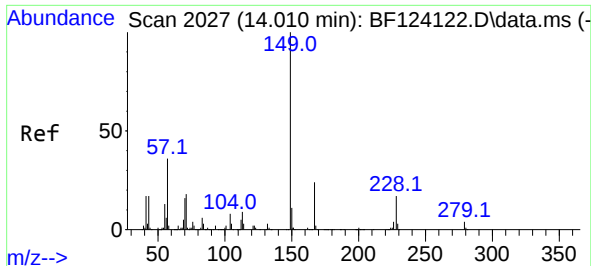
Tgt Ion:228 Resp: 335266
Ion Ratio Lower Upper
228 100
226 30.0 24.3 36.5
229 20.4 16.2 24.2



Instrument :
BNA_F
ClientSampled :
339

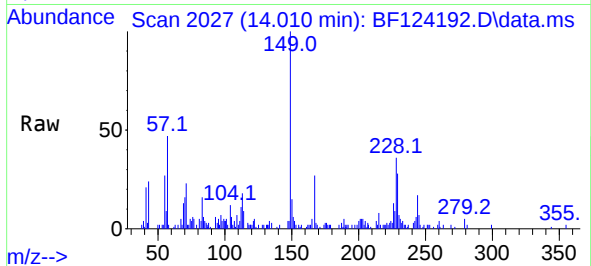
Manual Integrations
APPROVED

mohammad
6/9/2021 3:51:31 PM



#84
Bis(2-ethylhexyl)phthalate
Concen: 5.866 ng
RT: 14.010 min Scan# 2027
Delta R.T. 0.000 min
Lab File: BF124192.D
Acq: 8 Jun 2021 21:50

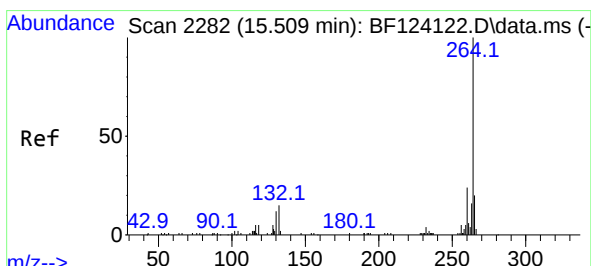
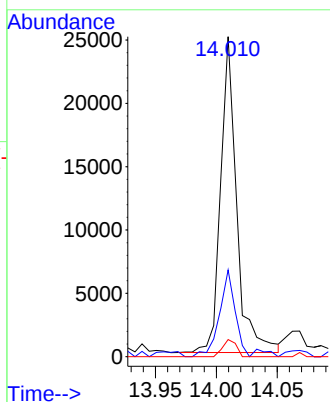
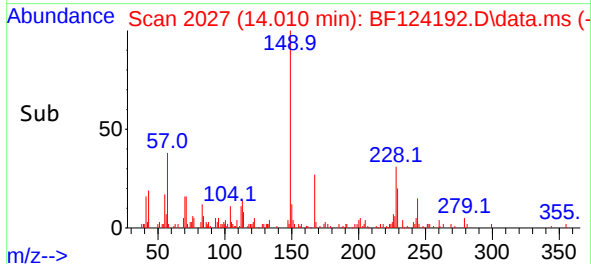
Instrument :
BNA_F
ClientSampled :
339



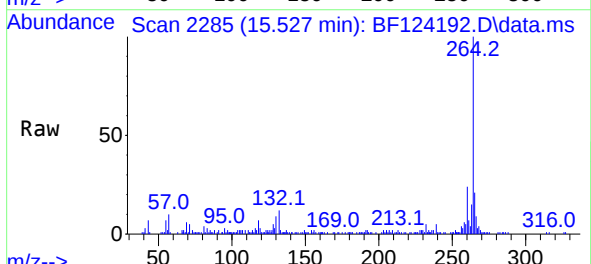
Tgt Ion:149 Resp: 22973
Ion Ratio Lower Upper
149 100
167 27.1 21.8 32.6
279 5.4 3.3 4.9#

Manual Integrations
APPROVED

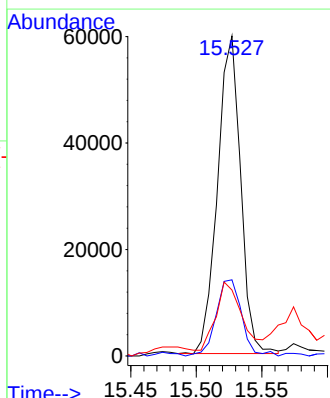
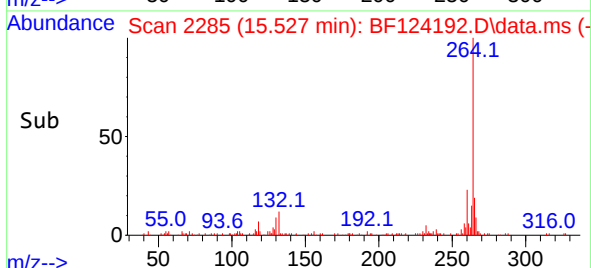
mohammad
6/9/2021 3:51:31 PM

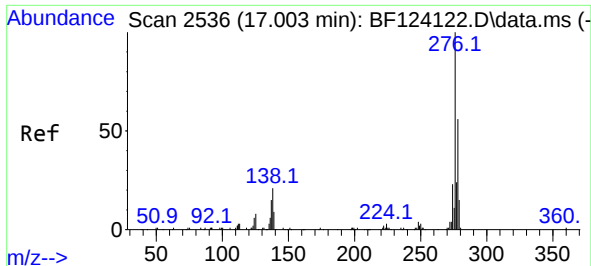


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.527 min Scan# 2285
Delta R.T. 0.018 min
Lab File: BF124192.D
Acq: 8 Jun 2021 21:50



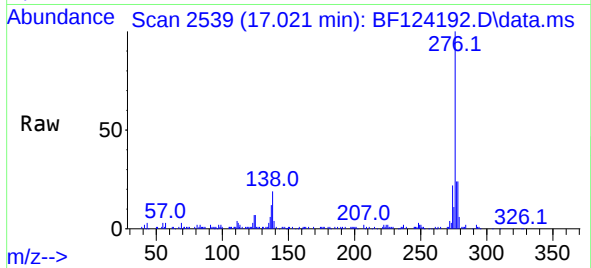
Tgt Ion:264 Resp: 72880
Ion Ratio Lower Upper
264 100
260 23.8 18.7 28.1
265 20.6 17.8 26.8





#87
Indeno(1,2,3-cd)pyrene
Concen: 26.179 ng
RT: 17.021 min Scan# 2539
Delta R.T. 0.018 min
Lab File: BF124192.D
Acq: 8 Jun 2021 21:50

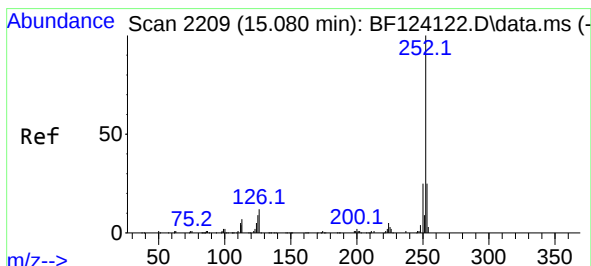
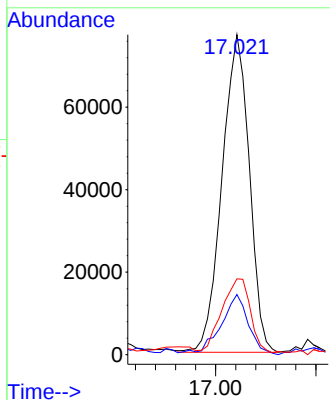
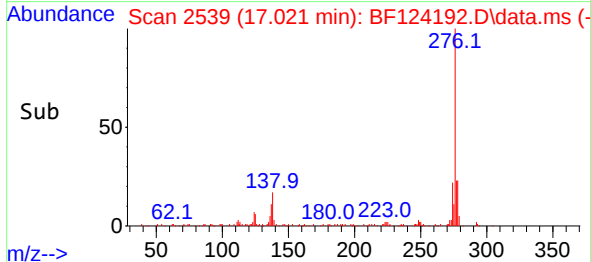
Instrument :
BNA_F
ClientSampled :
339



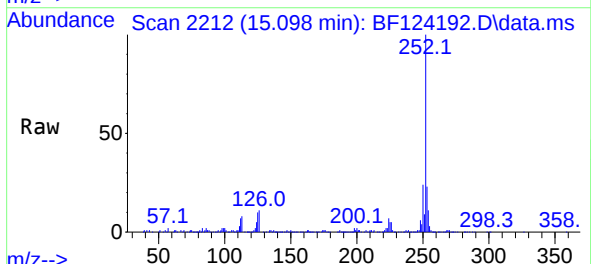
Tgt Ion:276 Resp: 145654
Ion Ratio Lower Upper
276 100
138 19.1 16.2 24.2
277 24.0 20.1 30.1

Manual Integrations
APPROVED

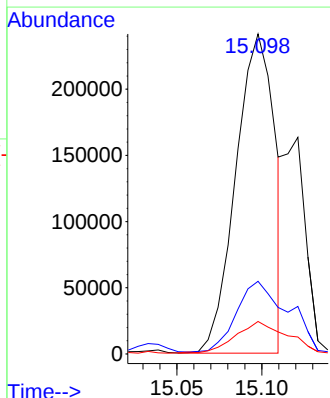
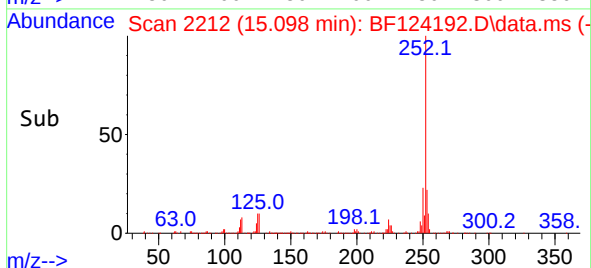
mohammad
6/9/2021 3:51:31 PM

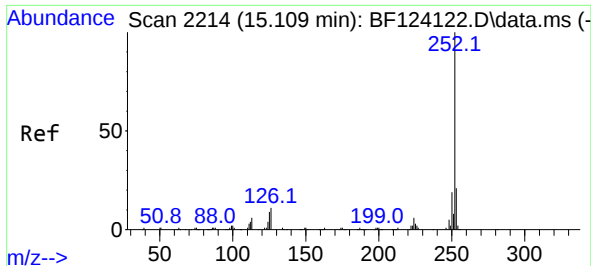


#88
Benzo(b)fluoranthene
Concen: 68.224 ng m
RT: 15.098 min Scan# 2212
Delta R.T. 0.018 min
Lab File: BF124192.D
Acq: 8 Jun 2021 21:50



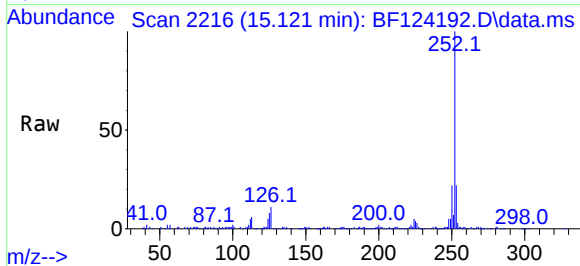
Tgt Ion:252 Resp: 386244
Ion Ratio Lower Upper
252 100
253 22.7 18.1 27.1
125 10.1 6.2 9.4#





#89
Benzo(k)fluoranthene
Concen: 26.042 ng m
RT: 15.121 min Scan# 2216
Delta R.T. 0.012 min
Lab File: BF124192.D
Acq: 8 Jun 2021 21:50

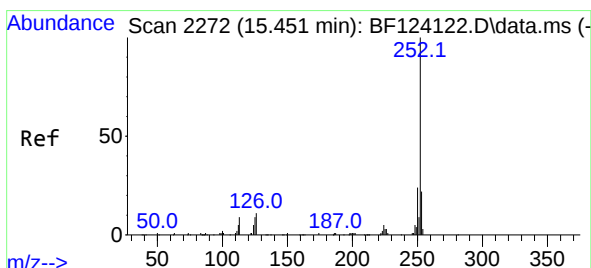
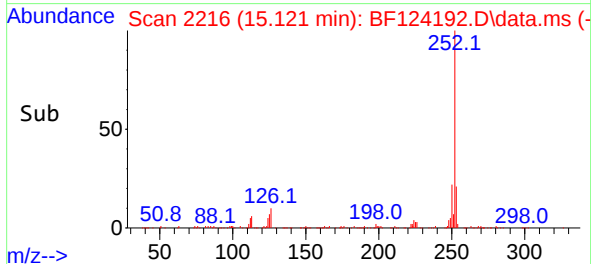
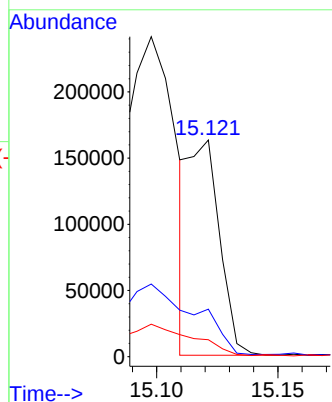
Instrument :
BNA_F
ClientSampled :
339



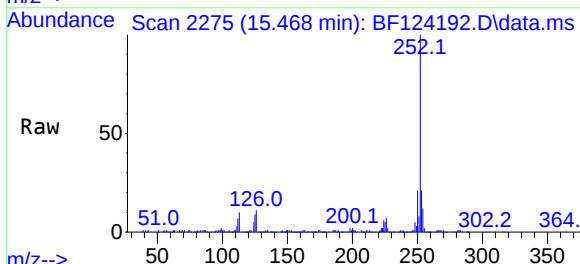
Tgt Ion:252 Resp: 139569
Ion Ratio Lower Upper
252 100
253 21.9 17.9 26.9
125 7.9 7.0 10.6

Manual Integrations
APPROVED

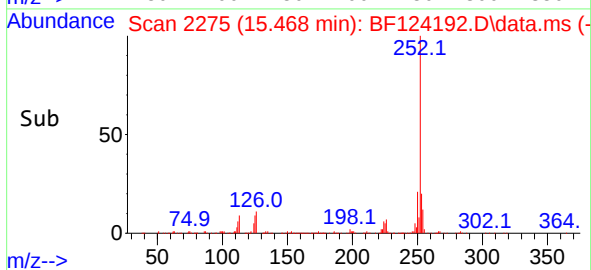
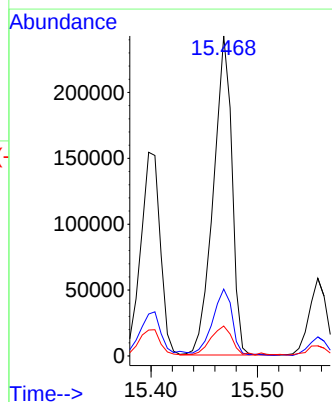
mohammad
6/9/2021 3:51:31 PM

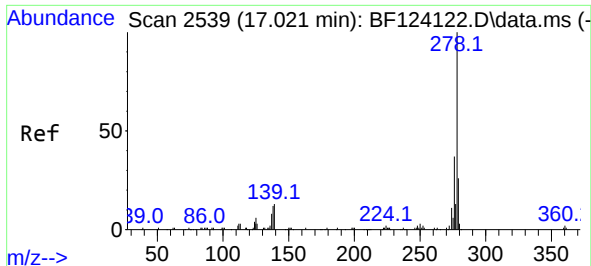


#90
Benzo(a)pyrene
Concen: 59.578 ng
RT: 15.468 min Scan# 2275
Delta R.T. 0.018 min
Lab File: BF124192.D
Acq: 8 Jun 2021 21:50



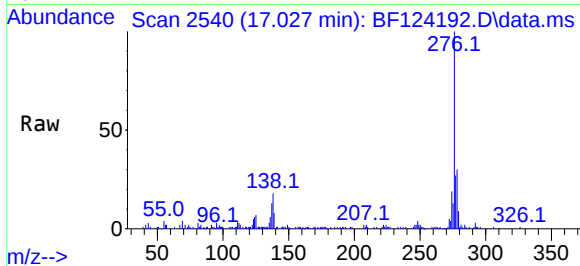
Tgt Ion:252 Resp: 292966
Ion Ratio Lower Upper
252 100
253 20.9 18.4 27.6
125 9.3 8.0 12.0





#91
Dibenzo(a,h)anthracene
Concen: 11.252 ng m
RT: 17.027 min Scan# 2540
Delta R.T. 0.006 min
Lab File: BF124192.D
Acq: 8 Jun 2021 21:50

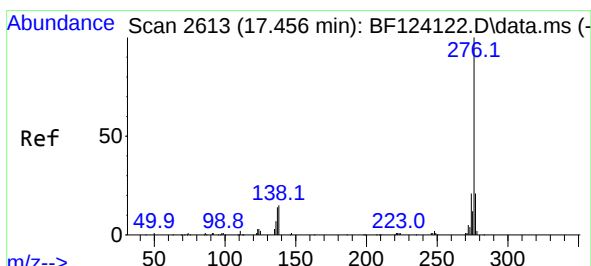
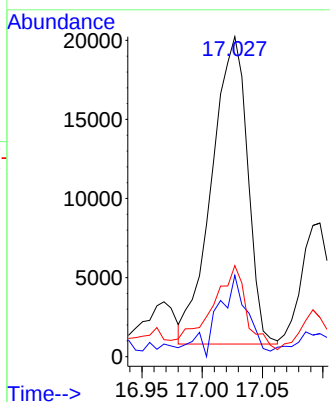
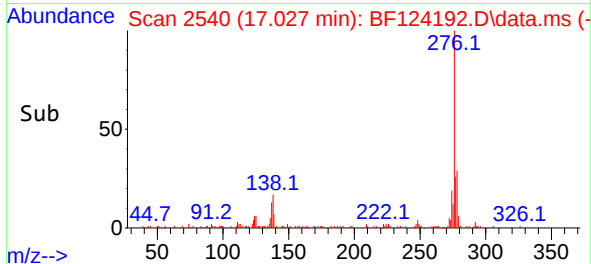
Instrument :
BNA_F
ClientSampled :
339



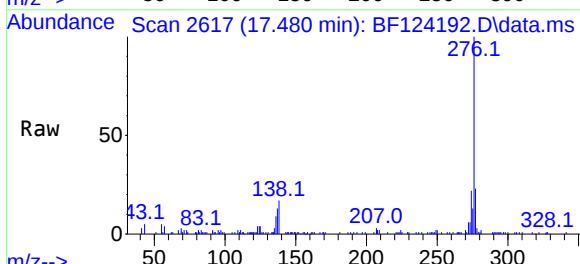
Tgt Ion:278 Resp: 40126
Ion Ratio Lower Upper
278 100
139 25.4 10.2 15.2#
279 28.5 19.4 29.0

Manual Integrations
APPROVED

mohammad
6/9/2021 3:51:31 PM



#92
Benzo(g,h,i)perylene
Concen: 27.321 ng
RT: 17.480 min Scan# 2617
Delta R.T. 0.024 min
Lab File: BF124192.D
Acq: 8 Jun 2021 21:50



Tgt Ion:276 Resp: 130472
Ion Ratio Lower Upper
276 100
277 23.4 18.2 27.2
138 17.0 13.8 20.6

