

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF083021\
 Data File : BF125263.D
 Acq On : 30 Aug 2021 15:32
 Operator : JU/CG
 Sample : M3569-02
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S-2

Manual Integrations
 APPROVED

mohammad
 8/31/2021 11:30:23 AM

Quant Time: Aug 30 16:54:59 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF081821.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 24 12:39:21 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.910	152	168442	20.000	ng	0.00
21) Naphthalene-d8	8.192	136	653616	20.000	ng	# 0.00
39) Acenaphthene-d10	9.951	164	355854	20.000	ng	0.00
64) Phenanthrene-d10	11.439	188	667436	20.000	ng	0.00
76) Chrysene-d12	14.080	240	419020	20.000	ng	# 0.00
86) Perylene-d12	15.580	264	439972	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.534	112	1290500	115.963	ng	0.00
7) Phenol-d6	6.539	99	1642952	114.151	ng	0.00
23) Nitrobenzene-d5	7.475	82	1081291	83.285	ng	0.00
42) 2,4,6-Tribromophenol	10.739	330	540094	152.045	ng	0.00
45) 2-Fluorobiphenyl	9.269	172	1872125	73.323	ng	0.00
79) Terphenyl-d14	13.027	244	2058593	78.267	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.463	178	628474	17.089	ng	99
72) Anthracene	11.510	178	135054	3.726	ng	99
73) Carbazole	11.663	167	75883	2.291	ng	99
75) Fluoranthene	12.651	202	902733	24.739	ng	98
78) Pyrene	12.880	202	738398	20.543	ng	97
81) Benzo(a)anthracene	14.068	228	338517	11.213	ng	96
83) Chrysene	14.104	228	327575	10.971	ng	97
87) Indeno(1,2,3-cd)pyrene	17.086	276	190893	6.023	ng	# 89
88) Benzo(b)fluoranthene	15.133	252	422667m	13.149	ng	
89) Benzo(k)fluoranthene	15.162	252	162073m	5.403	ng	
90) Benzo(a)pyrene	15.509	252	298126	10.500	ng	97
92) Benzo(g,h,i)perylene	17.545	276	162747	6.160	ng	# 87

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

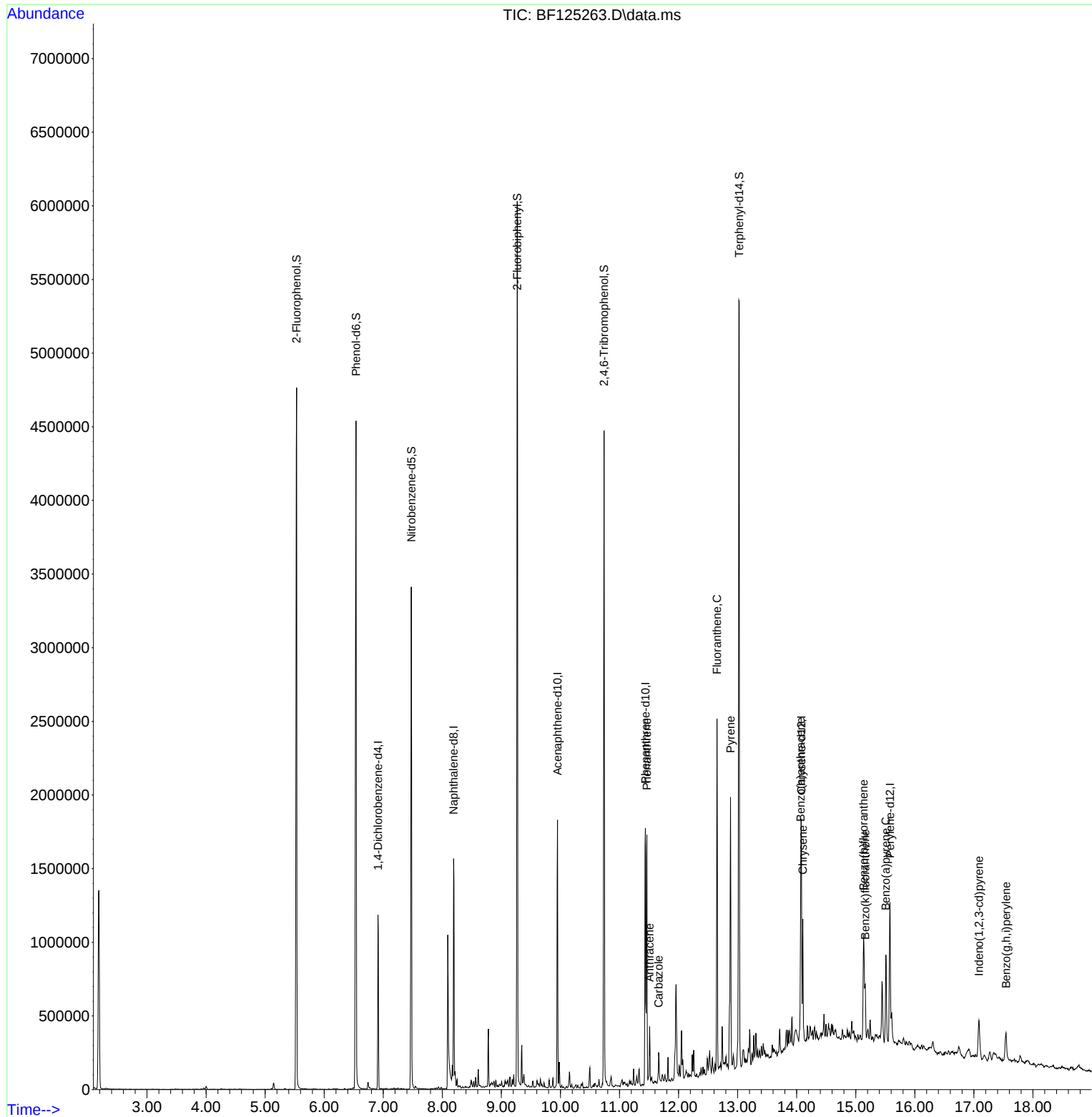
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF083021\
Data File : BF125263.D
Acq On : 30 Aug 2021 15:32
Operator : JU/CG
Sample : M3569-02
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampled :
S-2

Manual Integrations
APPROVED

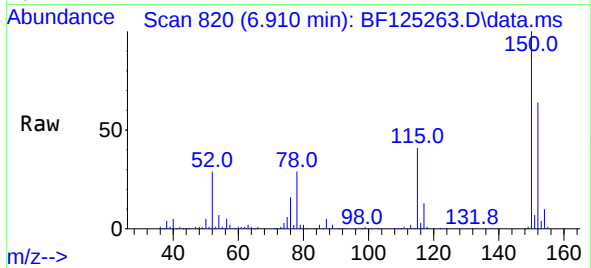
mohammad
8/31/2021 11:30:23 AM

Quant Time: Aug 30 16:54:59 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF081821.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 24 12:39:21 2021
Response via : Initial Calibration

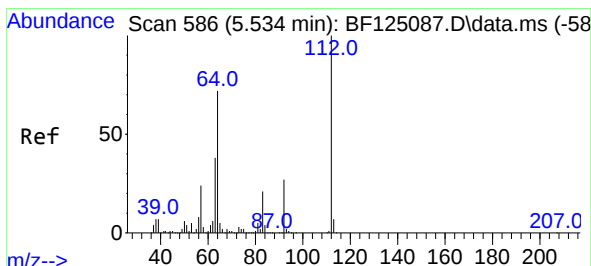
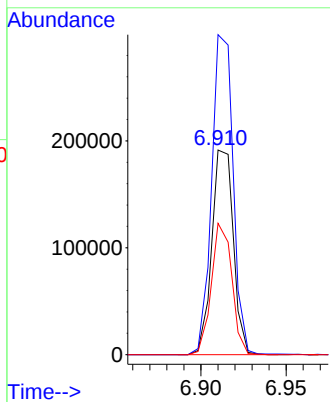
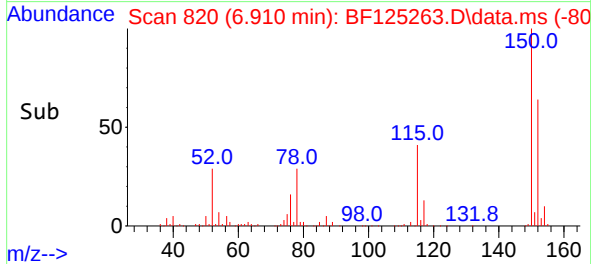




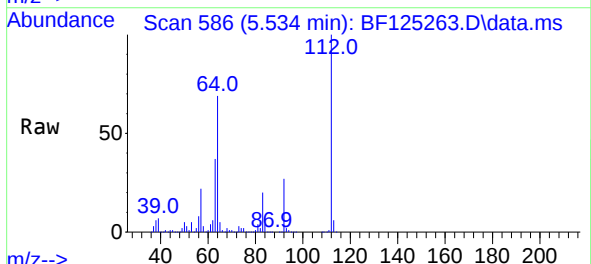
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.910 min Scan# 820
Delta R.T. -0.006 min
Lab File: BF125263.D
Acq: 30 Aug 2021 15:32



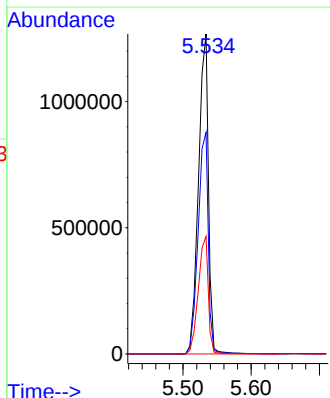
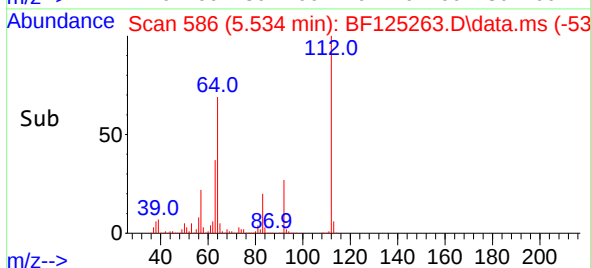
Tgt Ion:152 Resp: 168442
Ion Ratio Lower Upper
152 100
150 156.4 117.6 176.4
115 64.2 47.1 70.7



#5
2-Fluorophenol
Concen: 115.963 ng
RT: 5.534 min Scan# 586
Delta R.T. 0.006 min
Lab File: BF125263.D
Acq: 30 Aug 2021 15:32



Tgt Ion:112 Resp: 1290500
Ion Ratio Lower Upper
112 100
64 69.2 44.2 66.2#
63 36.7 26.2 39.2



Instrument :
BNA_F
ClientSampled :
S-2

Manual Integrations
APPROVED

mohammad
8/31/2021 11:30:23 AM



#7
Phenol-d6
Concen: 114.151 ng
RT: 6.539 min Scan# 757
Delta R.T. 0.000 min
Lab File: BF125263.D
Acq: 30 Aug 2021 15:32

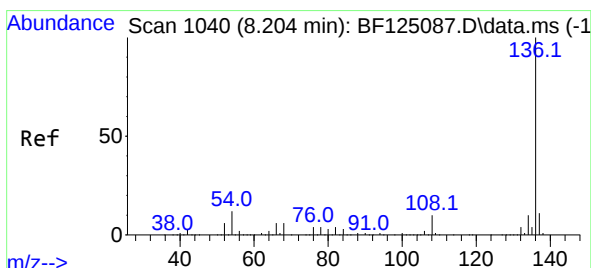
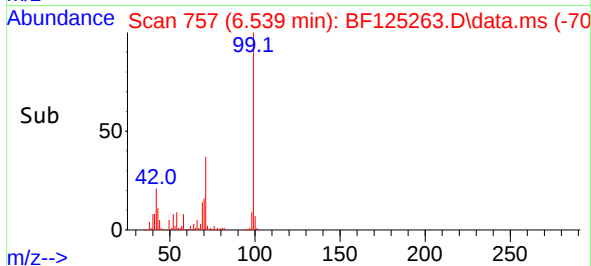
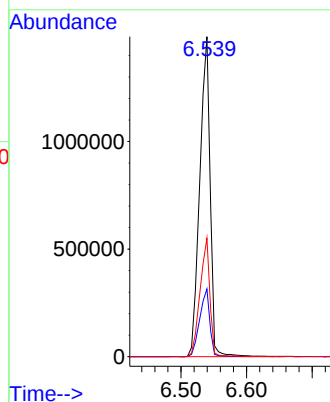
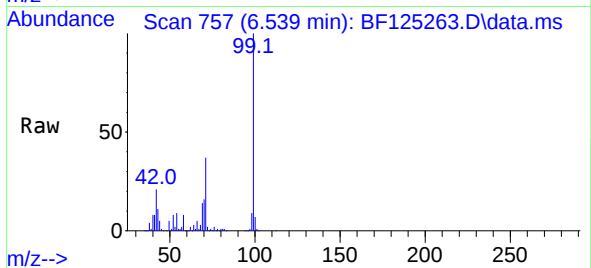
Tgt Ion: 99 Resp: 1642952

Ion	Ratio	Lower	Upper
99	100		
42	21.2	23.5	35.3#
71	37.0	25.6	38.4

Instrument :
BNA_F
ClientSampled :
S-2

Manual Integrations
APPROVED

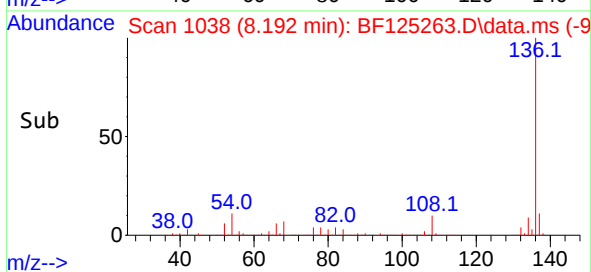
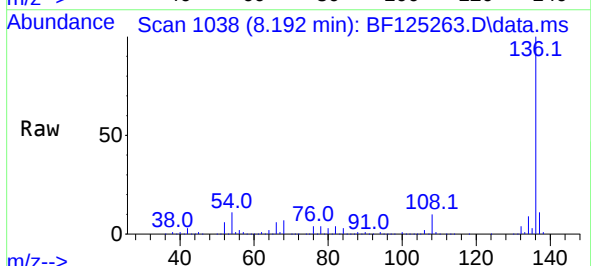
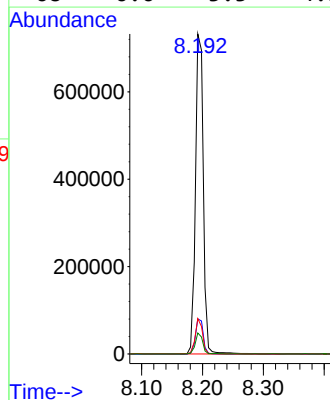
mohammad
8/31/2021 11:30:23 AM

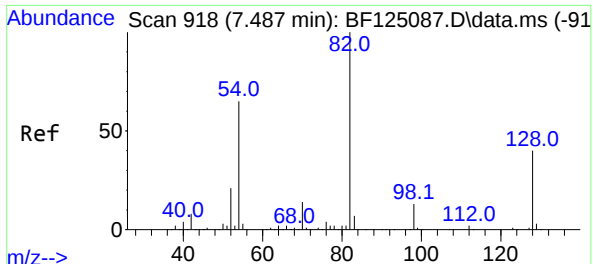


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.192 min Scan# 1038
Delta R.T. -0.006 min
Lab File: BF125263.D
Acq: 30 Aug 2021 15:32

Tgt Ion: 136 Resp: 653616

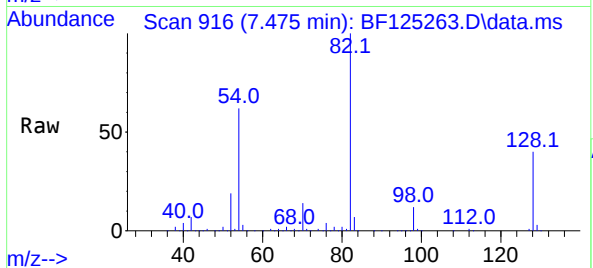
Ion	Ratio	Lower	Upper
136	100		
137	11.0	9.8	14.6
54	11.0	6.4	9.6#
68	6.6	3.3	4.9#





#23
Nitrobenzene-d5
Concen: 83.285 ng
RT: 7.475 min Scan# 916
Delta R.T. -0.006 min
Lab File: BF125263.D
Acq: 30 Aug 2021 15:32

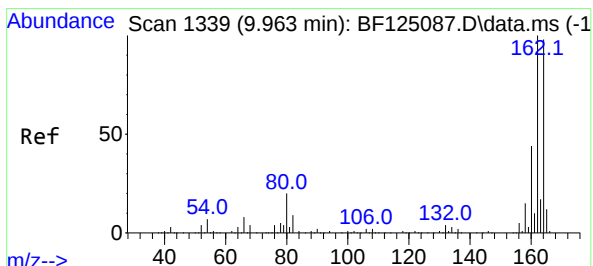
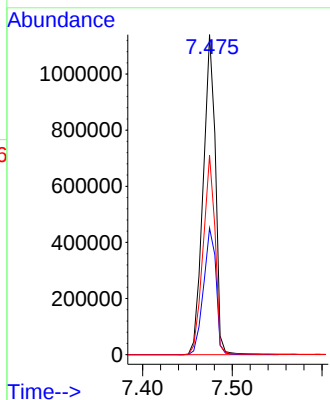
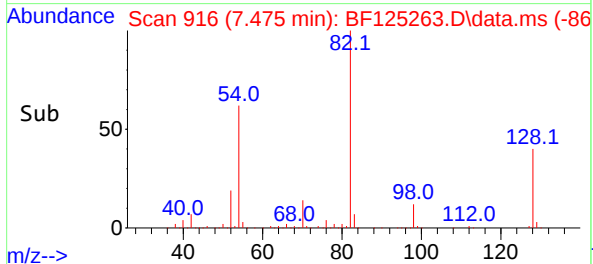
Instrument :
BNA_F
ClientSampled :
S-2



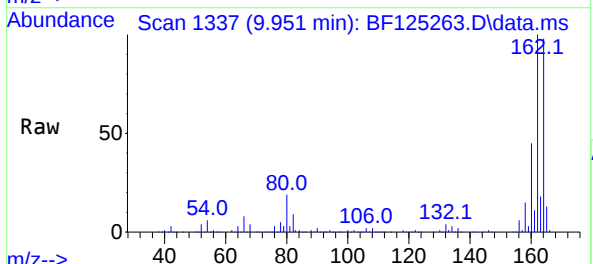
Tgt Ion: 82 Resp: 1081291
Ion Ratio Lower Upper
82 100
128 39.6 40.6 60.8#
54 62.3 49.6 74.4

Manual Integrations
APPROVED

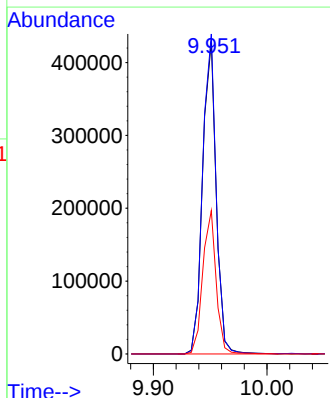
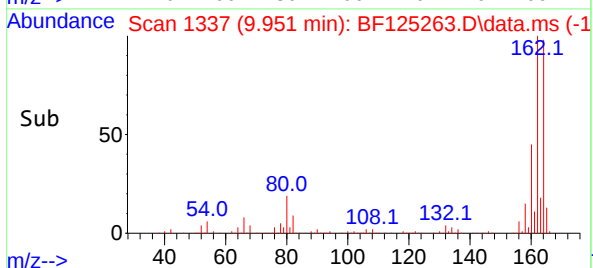
mohammad
8/31/2021 11:30:23 AM



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.951 min Scan# 1337
Delta R.T. -0.000 min
Lab File: BF125263.D
Acq: 30 Aug 2021 15:32



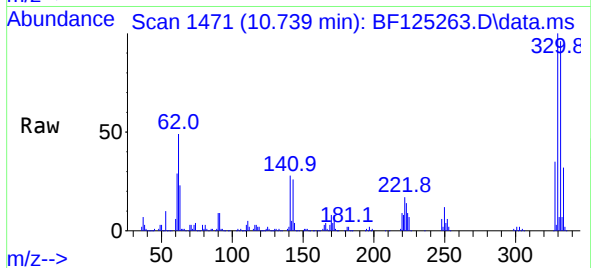
Tgt Ion: 164 Resp: 355854
Ion Ratio Lower Upper
164 100
162 102.4 81.3 121.9
160 45.9 38.0 57.0





#42
2,4,6-Tribromophenol
Concen: 152.045 ng
RT: 10.739 min Scan# 1471
Delta R.T. -0.000 min
Lab File: BF125263.D
Acq: 30 Aug 2021 15:32

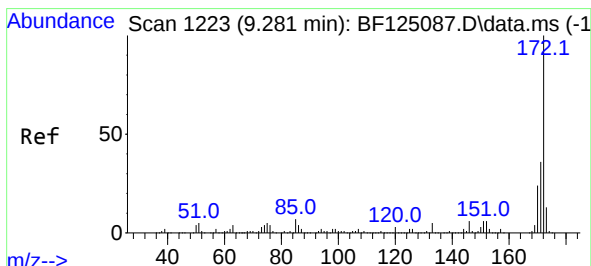
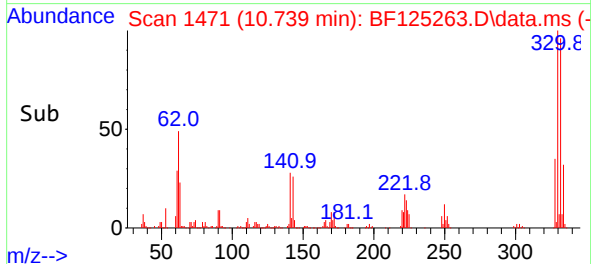
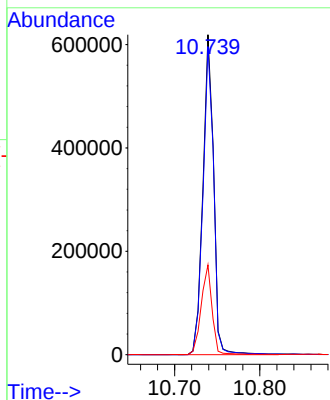
Instrument :
BNA_F
ClientSampled :
S-2



Tgt Ion:330 Resp: 540094
Ion Ratio Lower Upper
330 100
332 96.7 76.2 114.4
141 28.8 44.6 66.8#

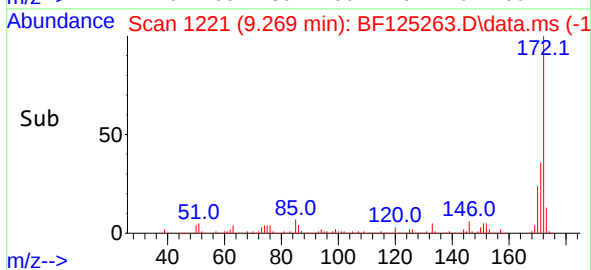
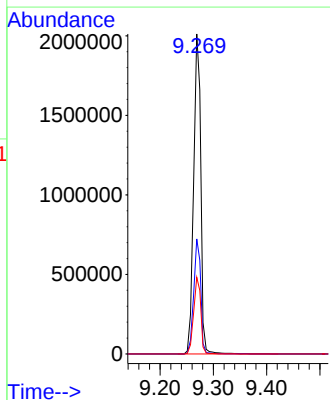
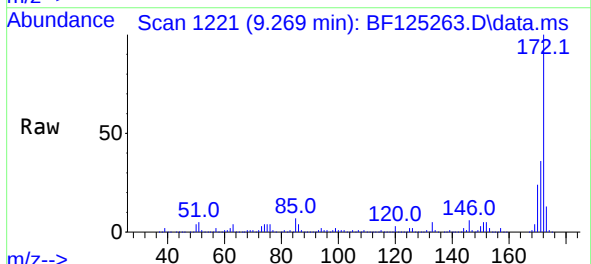
Manual Integrations
APPROVED

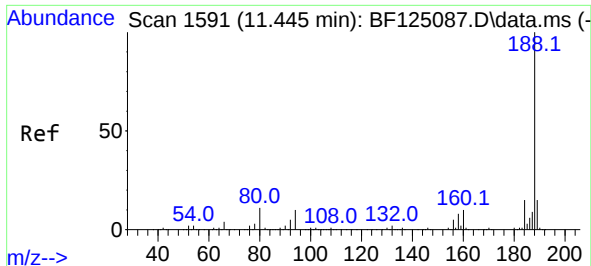
mohammad
8/31/2021 11:30:23 AM



#45
2-Fluorobiphenyl
Concen: 73.323 ng
RT: 9.269 min Scan# 1221
Delta R.T. -0.006 min
Lab File: BF125263.D
Acq: 30 Aug 2021 15:32

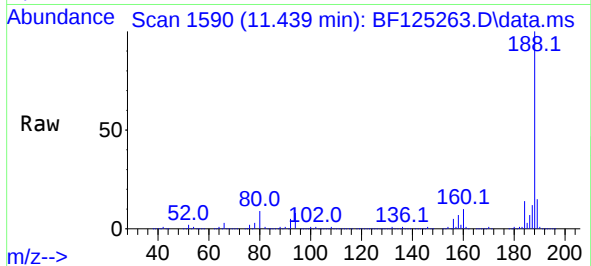
Tgt Ion:172 Resp: 1872125
Ion Ratio Lower Upper
172 100
171 36.0 26.5 39.7
170 23.9 18.8 28.2





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.439 min Scan# 1590
Delta R.T. 0.000 min
Lab File: BF125263.D
Acq: 30 Aug 2021 15:32

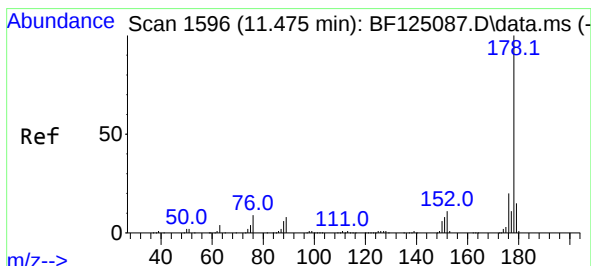
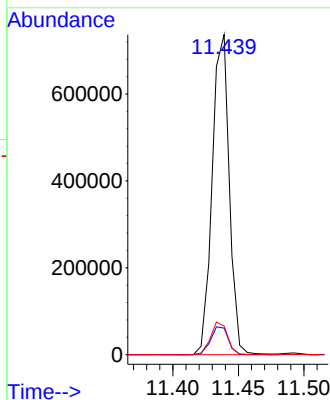
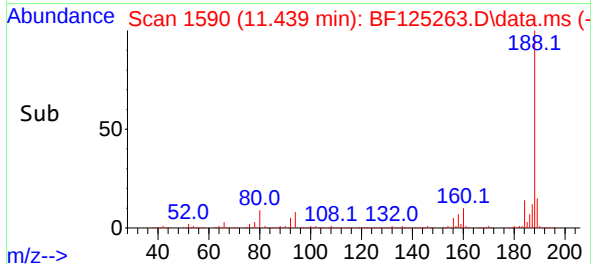
Instrument :
BNA_F
ClientSampled :
S-2



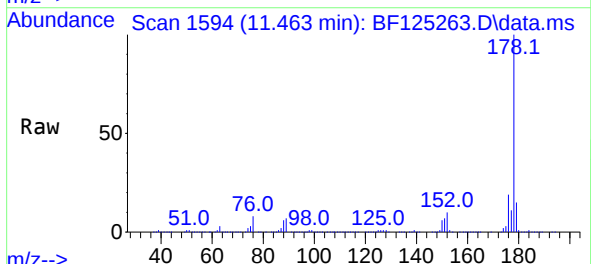
Tgt Ion:188 Resp: 667436
Ion Ratio Lower Upper
188 100
94 8.3 6.7 10.1
80 8.9 7.5 11.3

Manual Integrations
APPROVED

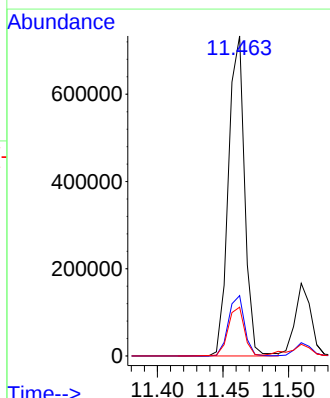
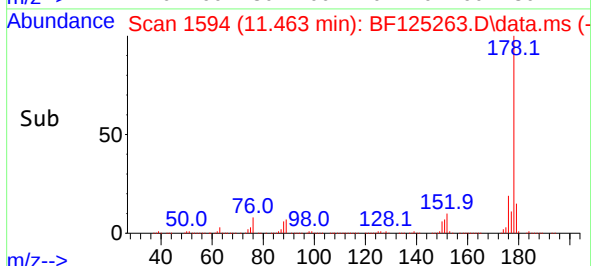
mohammad
8/31/2021 11:30:23 AM

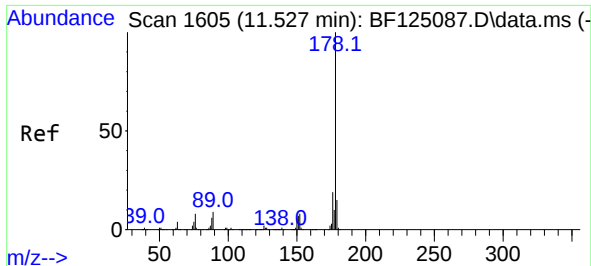


#71
Phenanthrene
Concen: 17.089 ng
RT: 11.463 min Scan# 1594
Delta R.T. -0.000 min
Lab File: BF125263.D
Acq: 30 Aug 2021 15:32



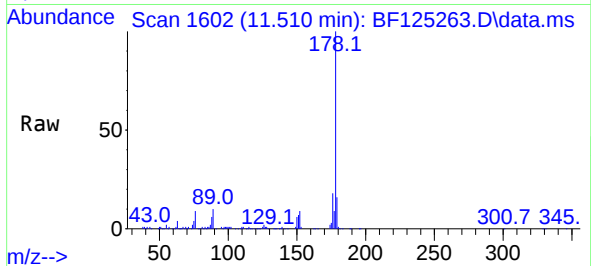
Tgt Ion:178 Resp: 628474
Ion Ratio Lower Upper
178 100
176 18.8 14.7 22.1
179 15.2 11.5 17.3





#72
 Anthracene
 Concen: 3.726 ng
 RT: 11.510 min Scan# 1602
 Delta R.T. -0.006 min
 Lab File: BF125263.D
 Acq: 30 Aug 2021 15:32

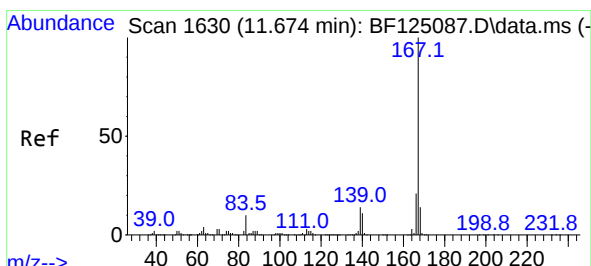
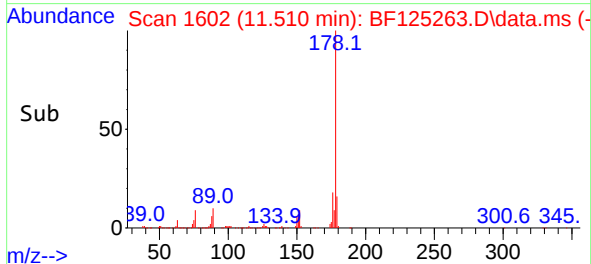
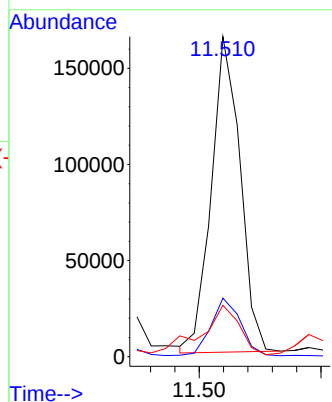
Instrument :
 BNA_F
 ClientSampled :
 S-2



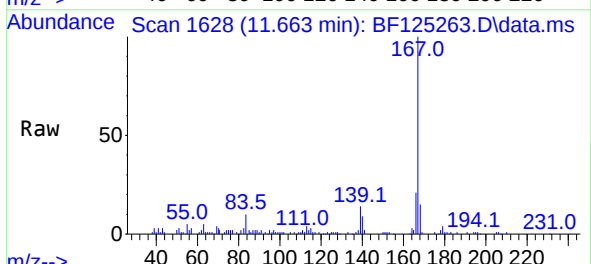
Tgt Ion:178 Resp: 135054
 Ion Ratio Lower Upper
 178 100
 176 18.3 14.3 21.5
 179 16.1 12.2 18.4

Manual Integrations
 APPROVED

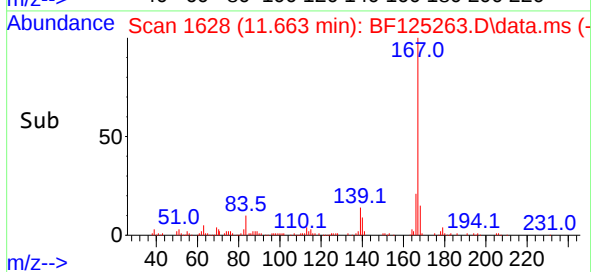
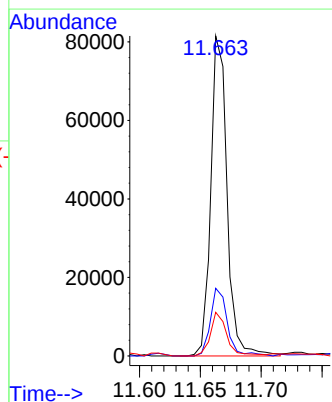
mohammad
 8/31/2021 11:30:23 AM

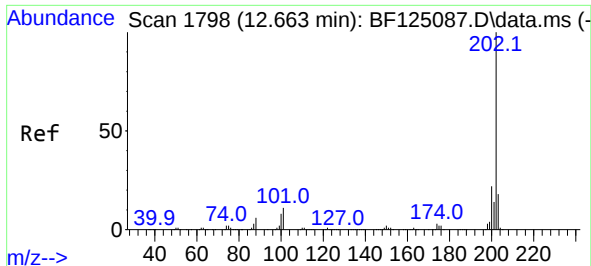


#73
 Carbazole
 Concen: 2.291 ng
 RT: 11.663 min Scan# 1628
 Delta R.T. -0.006 min
 Lab File: BF125263.D
 Acq: 30 Aug 2021 15:32



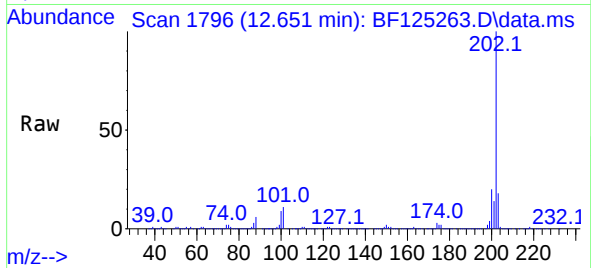
Tgt Ion:167 Resp: 75883
 Ion Ratio Lower Upper
 167 100
 166 21.1 17.4 26.0
 139 13.6 11.0 16.4





#75
Fluoranthene
Concen: 24.739 ng
RT: 12.651 min Scan# 1796
Delta R.T. 0.000 min
Lab File: BF125263.D
Acq: 30 Aug 2021 15:32

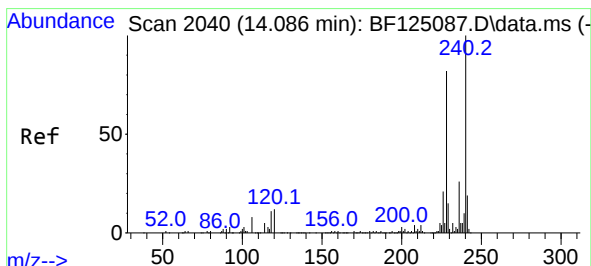
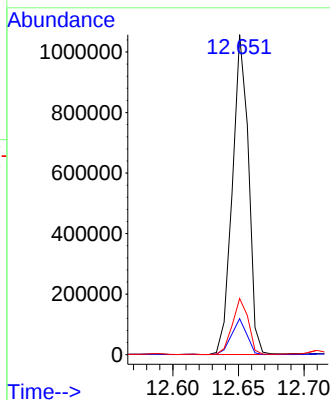
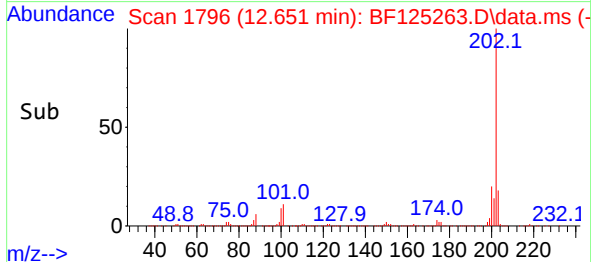
Instrument :
BNA_F
ClientSampleId :
S-2



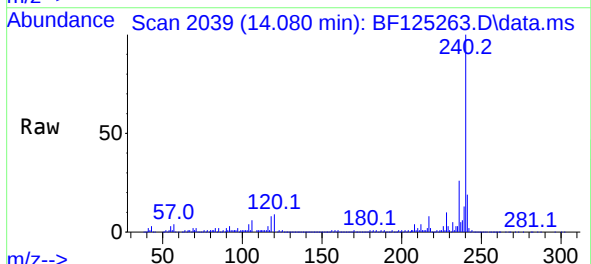
Tgt Ion:202 Resp: 902733
Ion Ratio Lower Upper
202 100
101 11.3 0.0 30.7
203 17.6 0.0 36.3

Manual Integrations
APPROVED

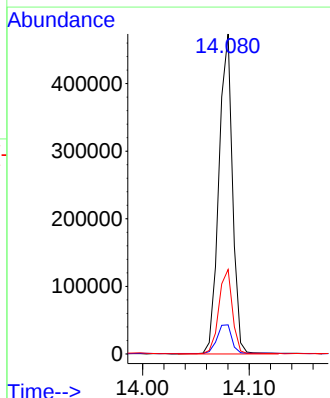
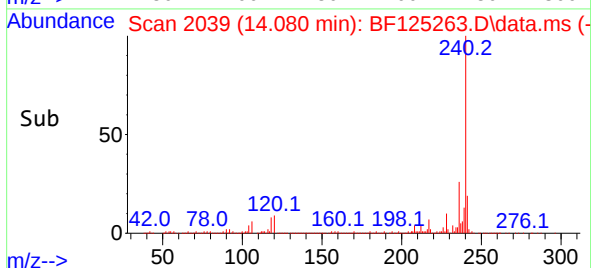
mohammad
8/31/2021 11:30:23 AM

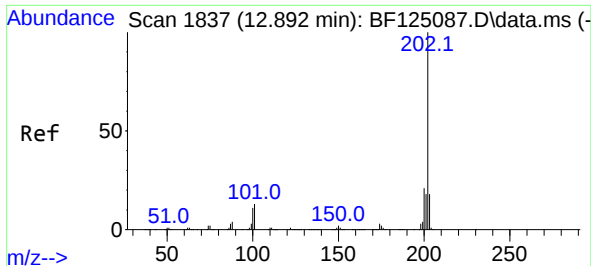


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.080 min Scan# 2039
Delta R.T. 0.000 min
Lab File: BF125263.D
Acq: 30 Aug 2021 15:32

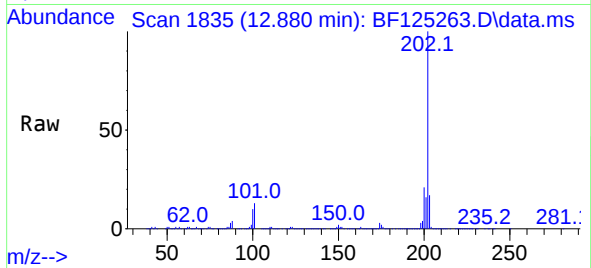


Tgt Ion:240 Resp: 419020
Ion Ratio Lower Upper
240 100
120 9.1 10.8 16.2#
236 26.4 21.6 32.4

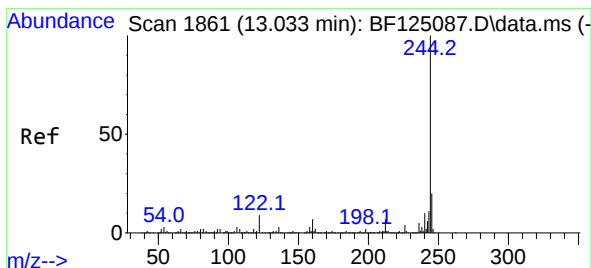
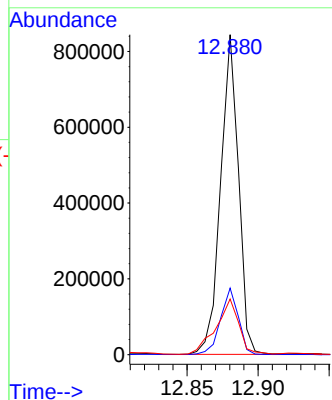
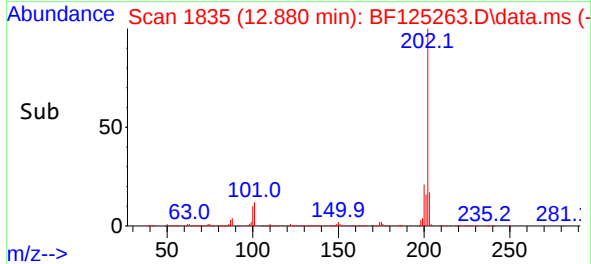




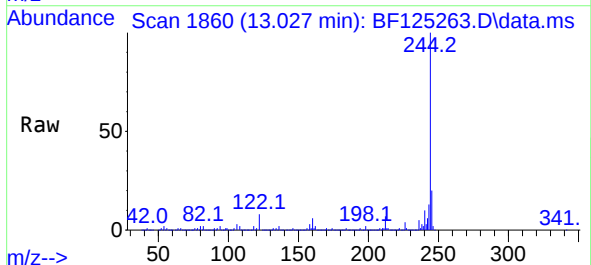
#78
Pyrene
Concen: 20.543 ng
RT: 12.880 min Scan# 1835
Delta R.T. -0.006 min
Lab File: BF125263.D
Acq: 30 Aug 2021 15:32



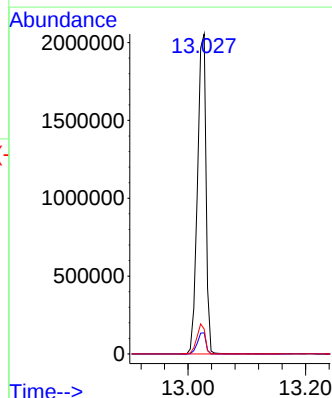
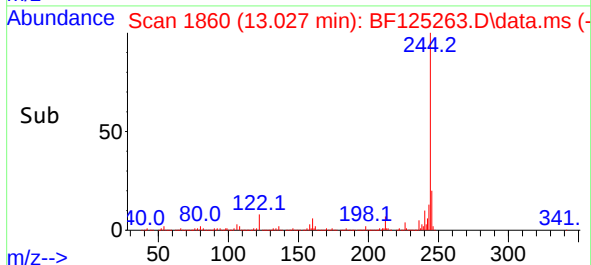
Tgt Ion:202 Resp: 738398
Ion Ratio Lower Upper
202 100
200 20.8 15.3 22.9
203 17.4 13.4 20.0



#79
Terphenyl-d14
Concen: 78.267 ng
RT: 13.027 min Scan# 1860
Delta R.T. 0.006 min
Lab File: BF125263.D
Acq: 30 Aug 2021 15:32



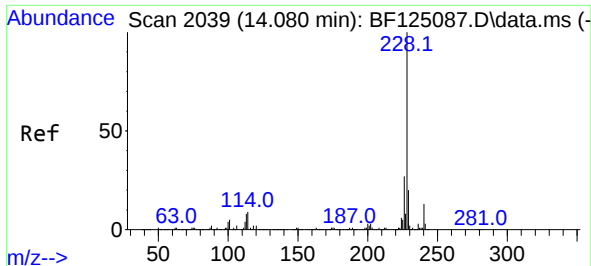
Tgt Ion:244 Resp: 2058593
Ion Ratio Lower Upper
244 100
212 6.6 5.9 8.9
122 7.8 9.0 13.4#



Instrument :
BNA_F
ClientSampled :
S-2

Manual Integrations
APPROVED

mohammad
8/31/2021 11:30:23 AM



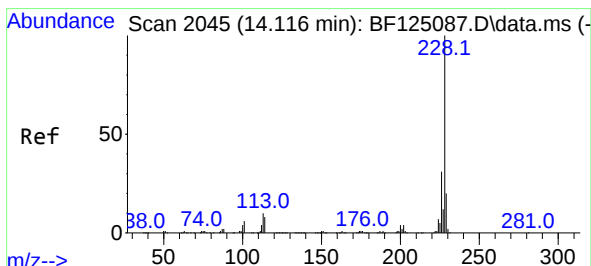
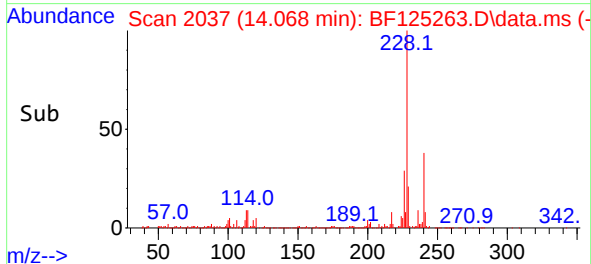
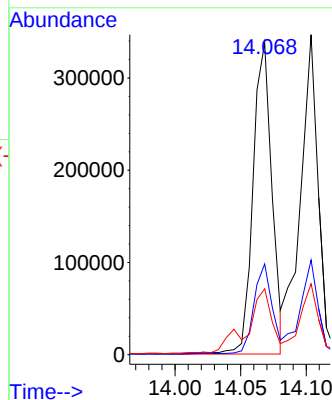
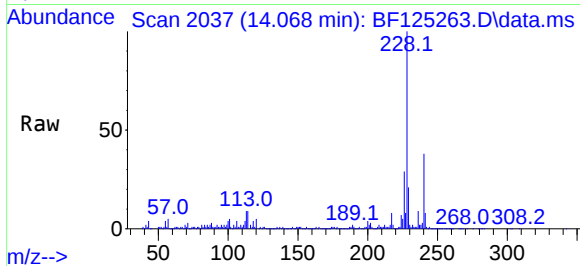
#81
Benzo(a)anthracene
Concen: 11.213 ng
RT: 14.068 min Scan# 2037
Delta R.T. 0.000 min
Lab File: BF125263.D
Acq: 30 Aug 2021 15:32

Tgt Ion:228 Resp: 338517
Ion Ratio Lower Upper
228 100
226 29.1 21.6 32.4
229 21.1 15.6 23.4

Instrument :
BNA_F
ClientSampled :
S-2

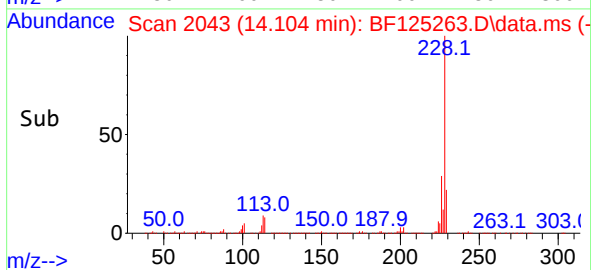
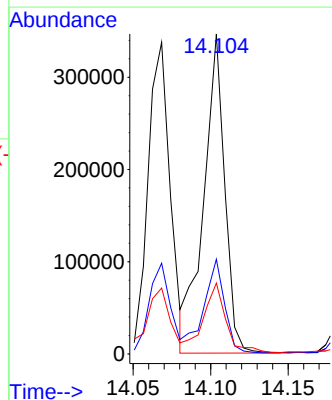
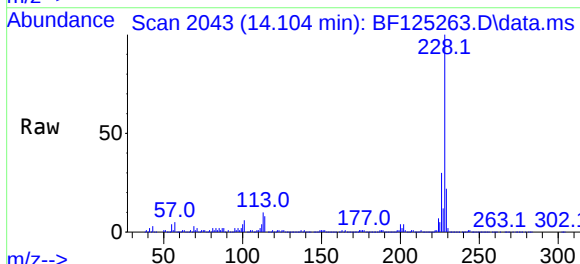
Manual Integrations
APPROVED

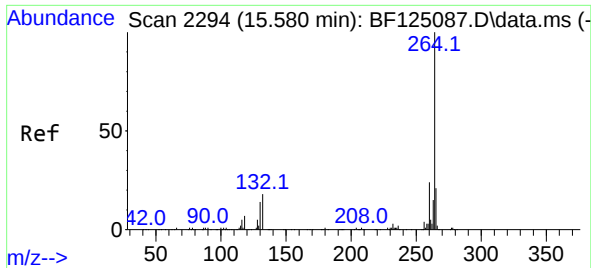
mohammad
8/31/2021 11:30:23 AM



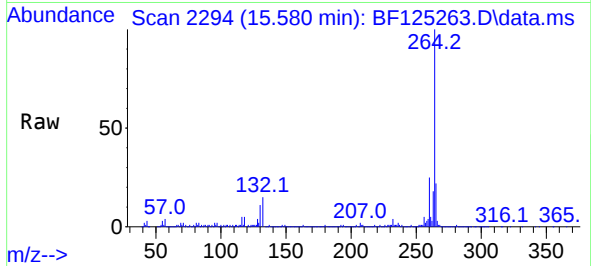
#83
Chrysene
Concen: 10.971 ng
RT: 14.104 min Scan# 2043
Delta R.T. -0.006 min
Lab File: BF125263.D
Acq: 30 Aug 2021 15:32

Tgt Ion:228 Resp: 327575
Ion Ratio Lower Upper
228 100
226 29.6 22.6 34.0
229 22.2 15.9 23.9



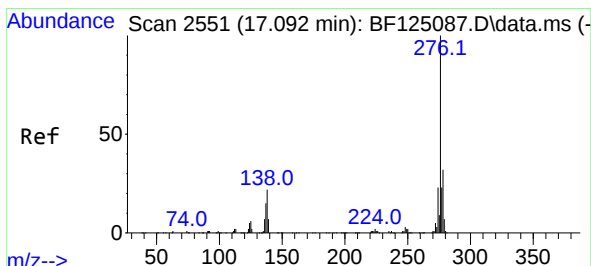
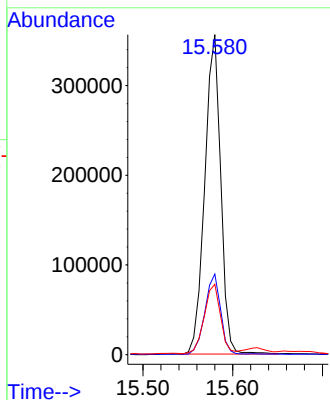
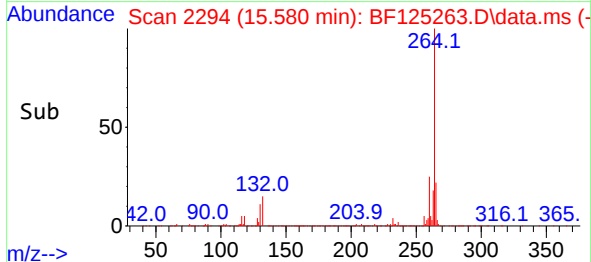


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.580 min Scan# 2294
Delta R.T. 0.006 min
Lab File: BF125263.D
Acq: 30 Aug 2021 15:32

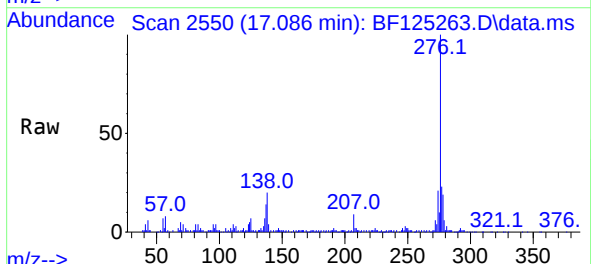


Tgt Ion: 264 Resp: 439972

Ion	Ratio	Lower	Upper
264	100		
260	25.2	19.6	29.4
265	22.0	17.2	25.8

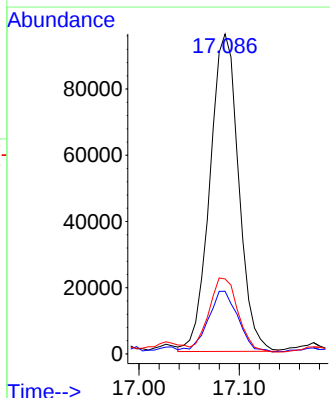
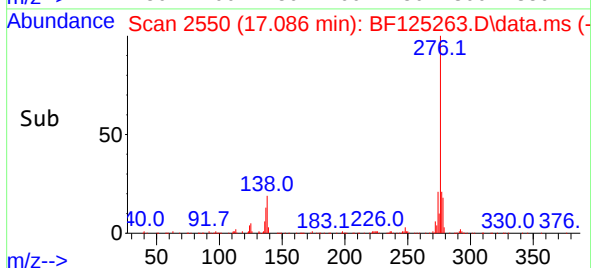


#87
Indeno(1,2,3-cd)pyrene
Concen: 6.023 ng
RT: 17.086 min Scan# 2550
Delta R.T. -0.006 min
Lab File: BF125263.D
Acq: 30 Aug 2021 15:32



Tgt Ion: 276 Resp: 190893

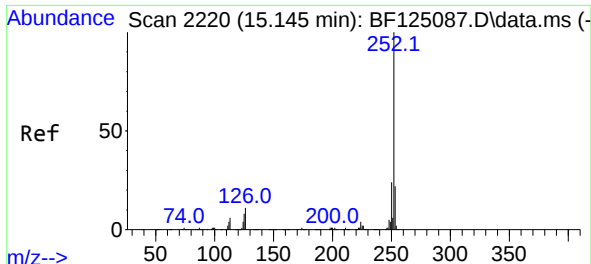
Ion	Ratio	Lower	Upper
276	100		
138	19.7	24.1	36.1
277	23.7	18.8	28.2



Instrument :
BNA_F
ClientSampled :
S-2

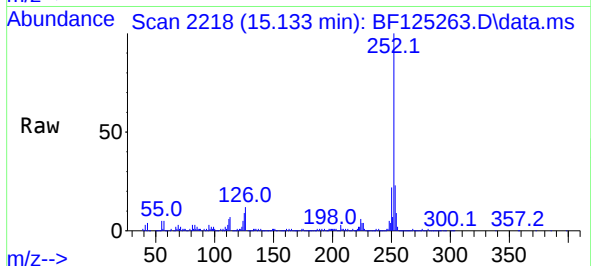
Manual Integrations
APPROVED

mohammad
8/31/2021 11:30:23 AM



#88
Benzo(b)fluoranthene
Concen: 13.149 ng m
RT: 15.133 min Scan# 2218
Delta R.T. -0.000 min
Lab File: BF125263.D
Acq: 30 Aug 2021 15:32

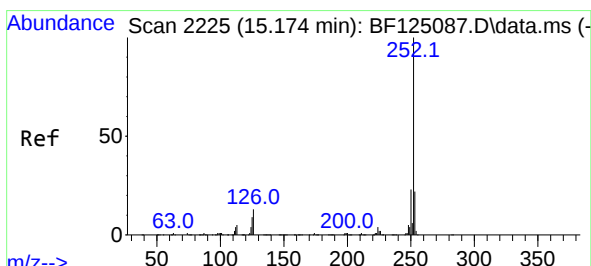
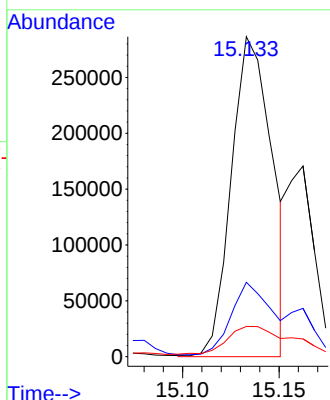
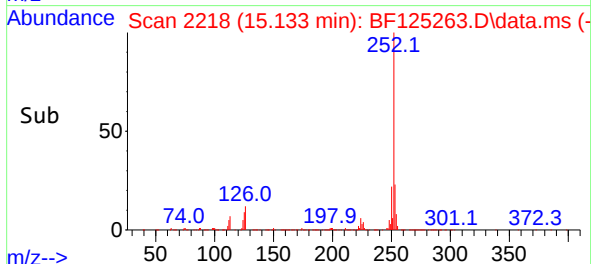
Instrument :
BNA_F
ClientSampled :
S-2



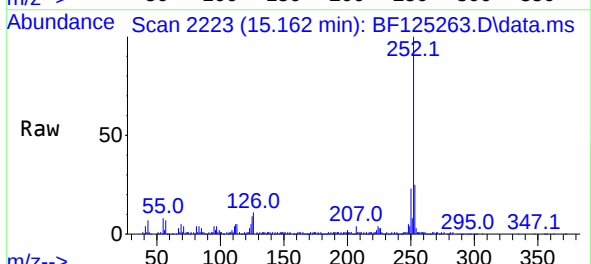
Tgt Ion:252 Resp: 422667
Ion Ratio Lower Upper
252 100
253 23.2 16.8 25.2
125 9.5 9.8 14.8#

Manual Integrations
APPROVED

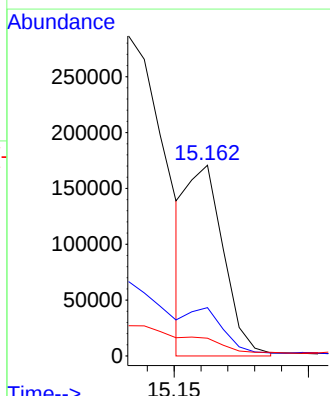
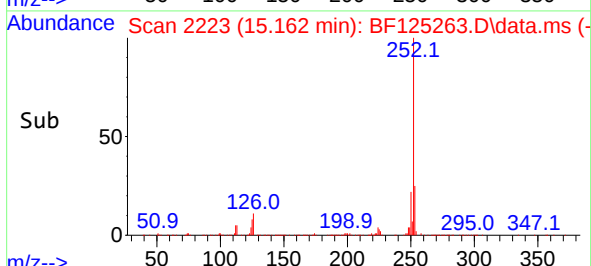
mohammad
8/31/2021 11:30:23 AM

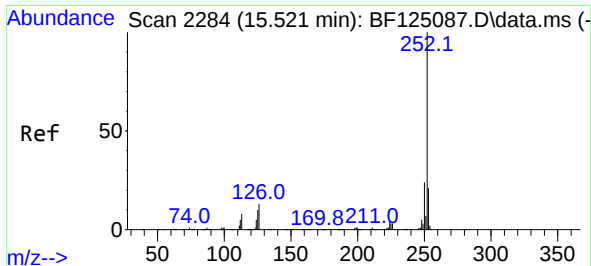


#89
Benzo(k)fluoranthene
Concen: 5.403 ng m
RT: 15.162 min Scan# 2223
Delta R.T. -0.006 min
Lab File: BF125263.D
Acq: 30 Aug 2021 15:32



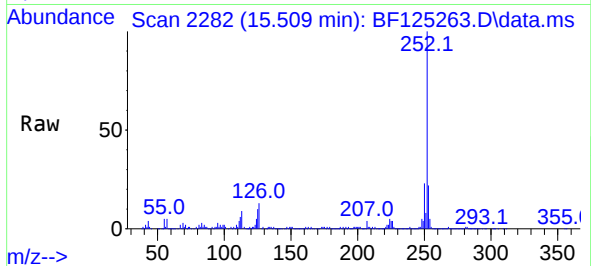
Tgt Ion:252 Resp: 162073
Ion Ratio Lower Upper
252 100
253 25.3 17.8 26.8
125 9.3 7.2 10.8





#90
Benzo(a)pyrene
Concen: 10.500 ng
RT: 15.509 min Scan# 2282
Delta R.T. -0.006 min
Lab File: BF125263.D
Acq: 30 Aug 2021 15:32

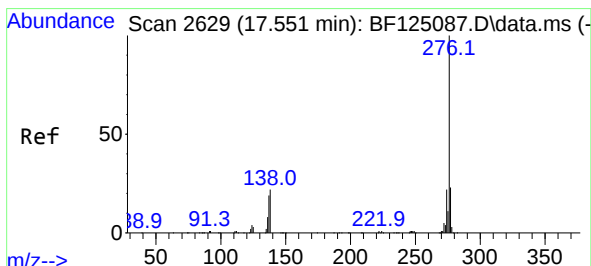
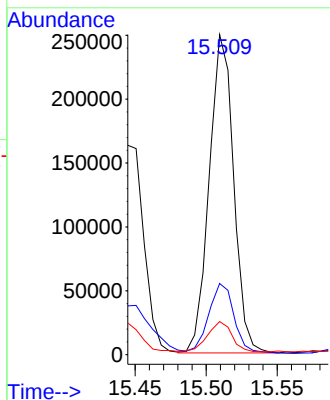
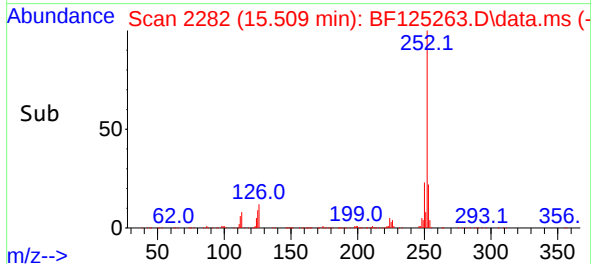
Instrument :
BNA_F
ClientSampled :
S-2



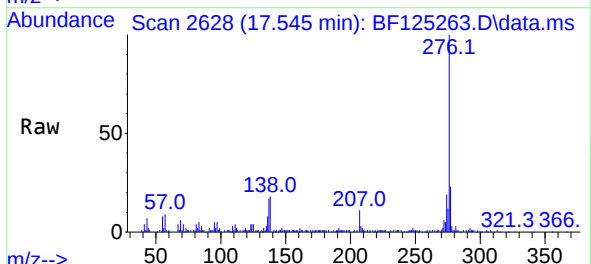
Tgt Ion:252 Resp: 298126
Ion Ratio Lower Upper
252 100
253 22.2 18.4 27.6
125 10.4 9.9 14.9

Manual Integrations
APPROVED

mohammad
8/31/2021 11:30:23 AM



#92
Benzo(g,h,i)perylene
Concen: 6.160 ng
RT: 17.545 min Scan# 2628
Delta R.T. -0.006 min
Lab File: BF125263.D
Acq: 30 Aug 2021 15:32



Tgt Ion:276 Resp: 162747
Ion Ratio Lower Upper
276 100
277 23.4 22.0 33.0
138 18.4 22.2 33.4#

