

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF103020\
 Data File : BF122214.D
 Acq On : 31 Oct 2020 11:11
 Operator : JU/CG
 Sample : L4521-09
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S-5

Manual Integrations
 APPROVED

mohammad
 11/2/2020 12:36:54 PM

Quant Time: Nov 01 23:51:53 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101220.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 30 10:16:54 2020
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.710	152	85323	20.00	ng	0.00
21) Naphthalene-d8	7.992	136	310849	20.00	ng	0.00
39) Acenaphthene-d10	9.745	164	130330	20.00	ng	0.00
64) Phenanthrene-d10	11.233	188	202022	20.00	ng	0.00
76) Chrysene-d12	13.886	240	186682	20.00	ng	0.00
86) Perylene-d12	15.321	264	180428	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.340	112	388660	67.23	ng	0.00
7) Phenol-d6	6.369	99	499924	67.18	ng	0.00
23) Nitrobenzene-d5	7.281	82	317243	52.34	ng	0.00
42) 2,4,6-Tribromophenol	10.539	330	72657	45.07	ng	0.00
45) 2-Fluorobiphenyl	9.063	172	504800	56.99	ng	-0.01
79) Terphenyl-d14	12.816	244	369201	37.69	ng	0.00
Target Compounds						Qvalue
10) Phenol	6.387	94	27179	3.54	ng	86
49) Acenaphthylene	9.610	152	63541	5.02	ng	98
50) Dimethylphthalate	9.469	163	100305	10.53	ng	99
52) Acenaphthene	9.775	154	49668	6.60	ng	99
58) Fluorene	10.292	166	51202	5.77	ng	96
71) Phenanthrene	11.257	178	835602	75.44	ng	99
72) Anthracene	11.310	178	161962	14.10	ng	97
73) Carbazole	11.475	167	87112	8.53	ng	98
75) Fluoranthene	12.457	202	1657798	139.58	ng	97
78) Pyrene	12.686	202	1495320	105.11	ng	99
81) Benzo(a)anthracene	13.874	228	810216	66.23	ng	99
83) Chrysene	13.910	228	764901	63.69	ng	97
87) Indeno(1,2,3-cd)pyrene	16.739	276	420981m	35.94	ng	
88) Benzo(b)fluoranthene	14.915	252	1101871m	90.35	ng	
89) Benzo(k)fluoranthene	14.939	252	241761m	20.87	ng	
90) Benzo(a)pyrene	15.268	252	667560	63.37	ng	97
91) Dibenzo(a,h)anthracene	16.733	278	82286m	8.53	ng	
92) Benzo(g,h,i)perylene	17.162	276	388953	40.29	ng	98

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

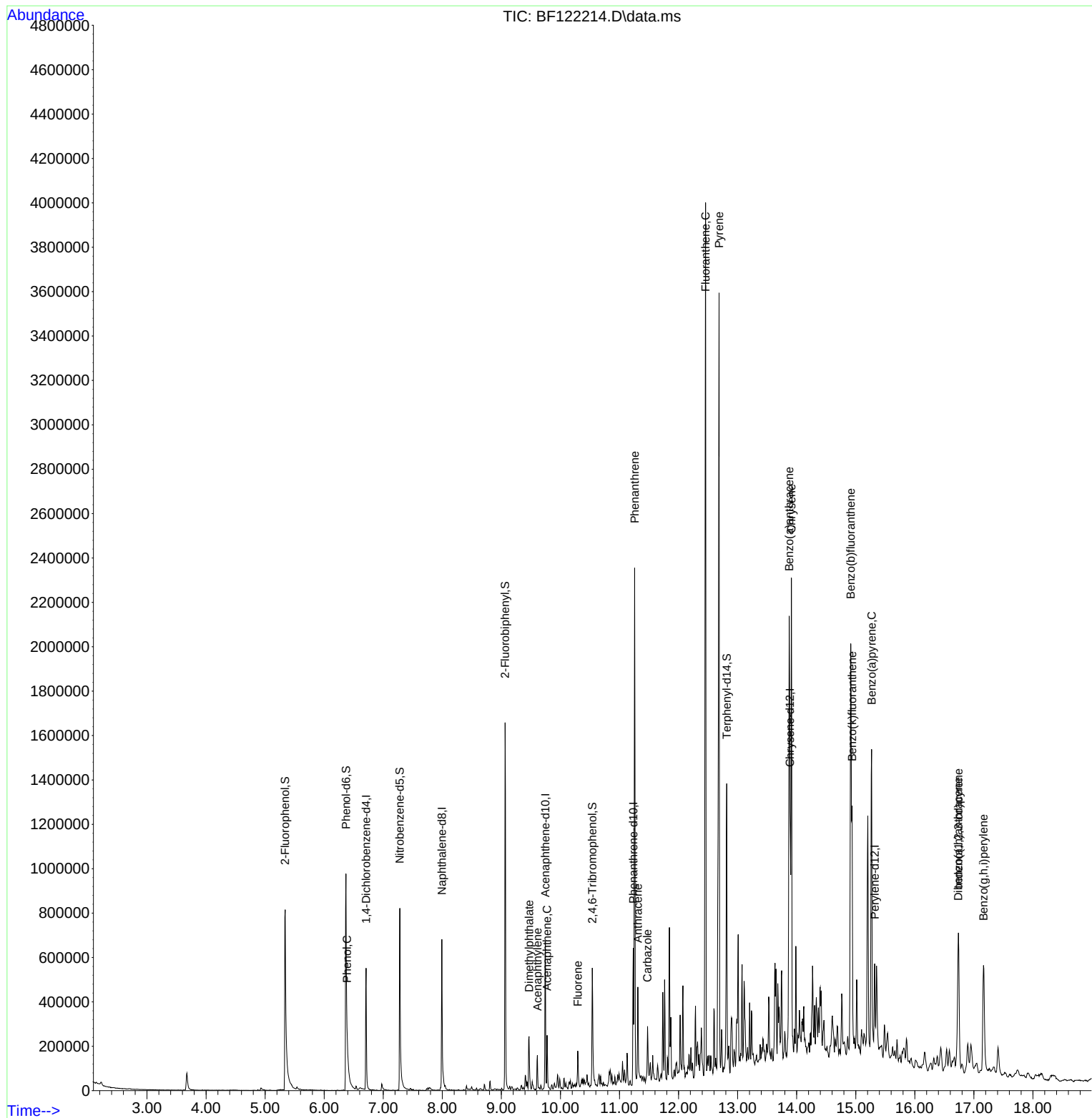
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF103020\
Data File : BF122214.D
Acq On : 31 Oct 2020 11:11
Operator : JU/CG
Sample : L4521-09
Misc :
ALS Vial : 35 Sample Multiplier: 1

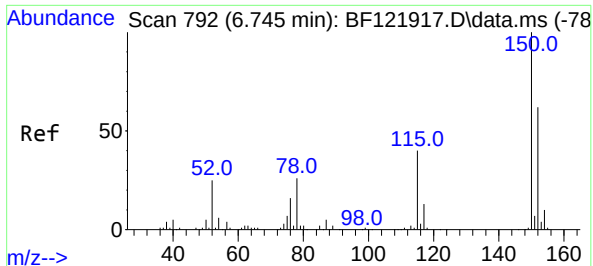
Instrument :
BNA_F
ClientSampleId :
S-5

Manual Integrations
APPROVED

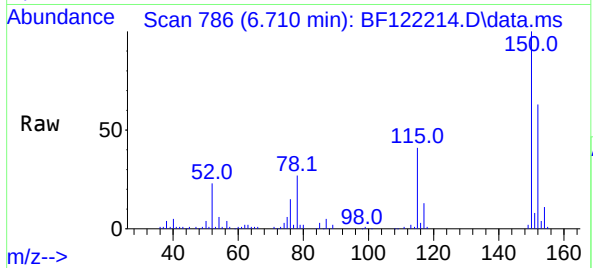
mohammad
11/2/2020 12:36:54 PM

Quant Time: Nov 01 23:51:53 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101220.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 30 10:16:54 2020
Response via : Initial Calibration

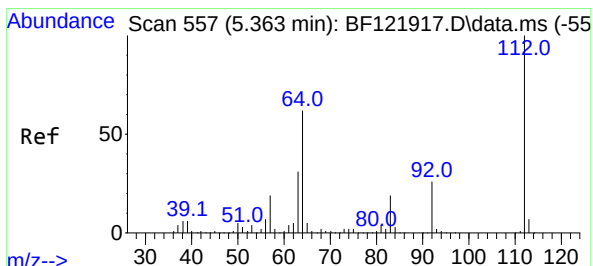
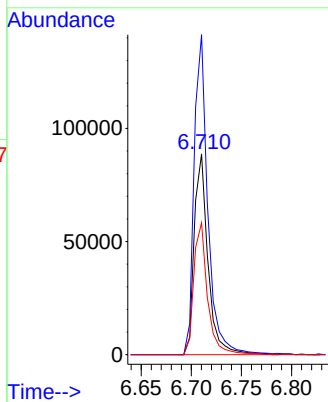
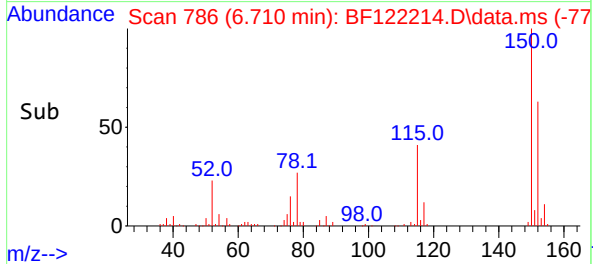




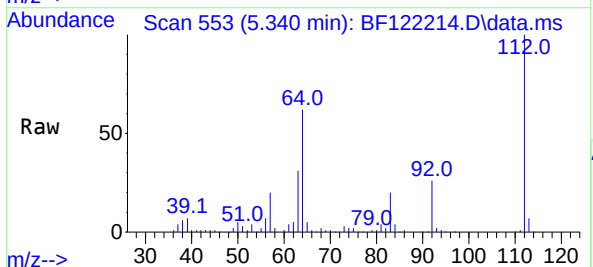
#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.710 min Scan# 786
Delta R.T. -0.006 min
Lab File: BF122214.D
Acq: 31 Oct 2020 11:11



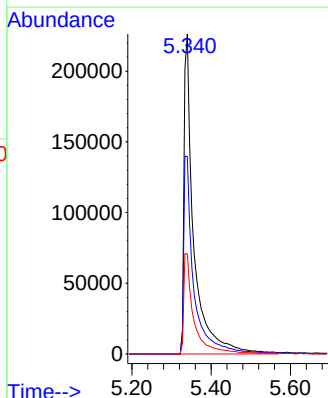
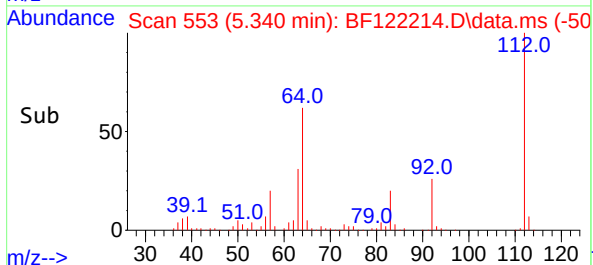
Tgt Ion:152 Resp: 85323
Ion Ratio Lower Upper
152 100
150 159.4 125.3 187.9
115 65.7 51.9 77.9



#5
2-Fluorophenol
Concen: 67.23 ng
RT: 5.340 min Scan# 553
Delta R.T. 0.006 min
Lab File: BF122214.D
Acq: 31 Oct 2020 11:11



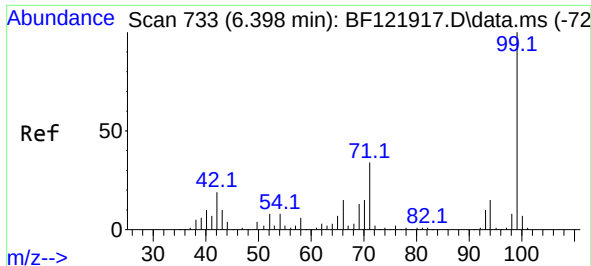
Tgt Ion:112 Resp: 388660
Ion Ratio Lower Upper
112 100
64 61.7 50.4 75.6
63 31.3 25.8 38.6



Instrument :
BNA_F
ClientSampleId :
S-5

Manual Integrations
APPROVED

mohammad
11/2/2020 12:36:54 PM



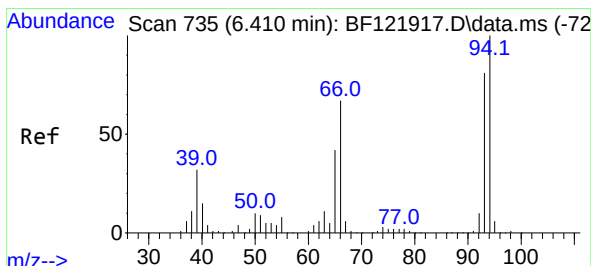
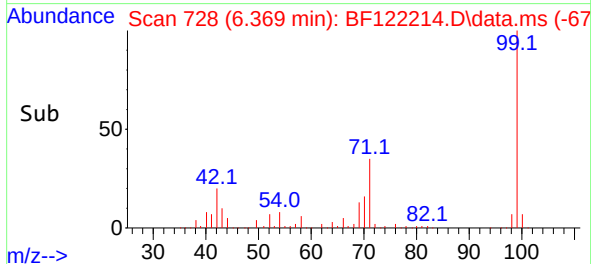
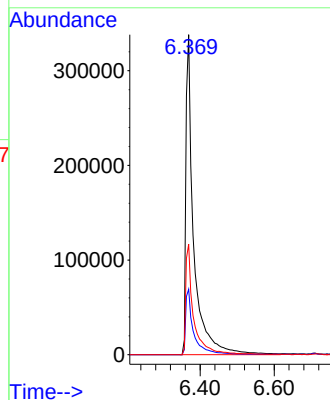
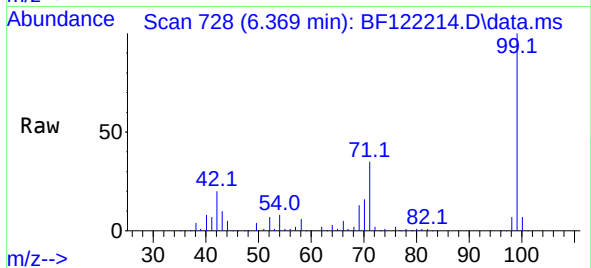
#7
Phenol-d6
Concen: 67.18 ng
RT: 6.369 min Scan# 728
Delta R.T. -0.000 min
Lab File: BF122214.D
Acq: 31 Oct 2020 11:11

Tgt Ion: 99 Resp: 499924
Ion Ratio Lower Upper
99 100
42 20.4 15.9 23.9
71 34.6 27.1 40.7

Instrument :
BNA_F
ClientSampleId :
S-5

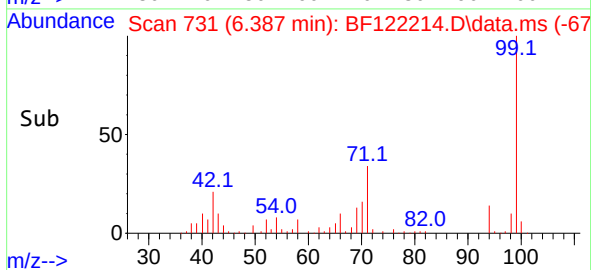
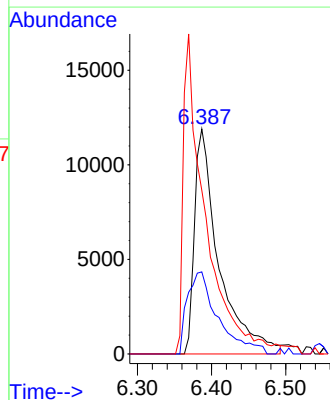
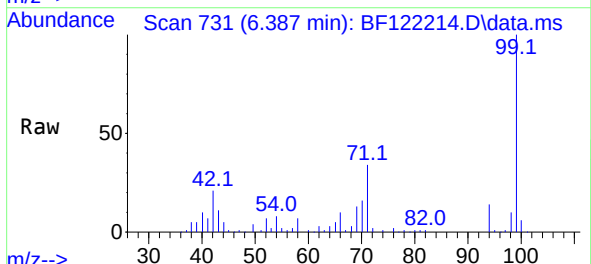
Manual Integrations
APPROVED

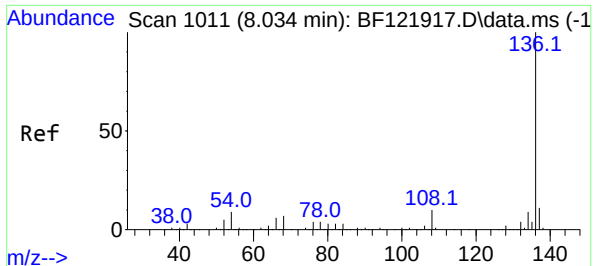
mohammad
11/2/2020 12:36:54 PM



#10
Phenol
Concen: 3.54 ng
RT: 6.387 min Scan# 731
Delta R.T. 0.006 min
Lab File: BF122214.D
Acq: 31 Oct 2020 11:11

Tgt Ion: 94 Resp: 27179
Ion Ratio Lower Upper
94 100
65 36.5 17.1 57.1
66 72.7 36.0 76.0

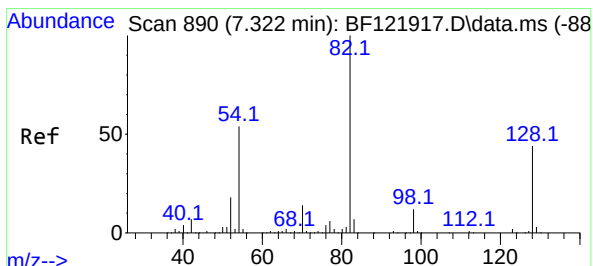
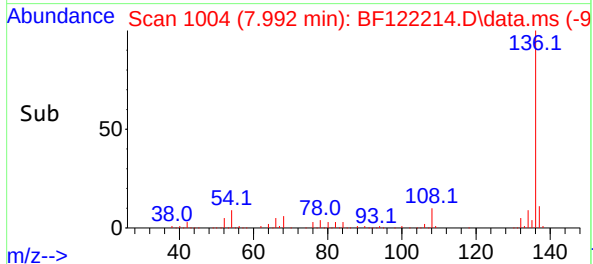
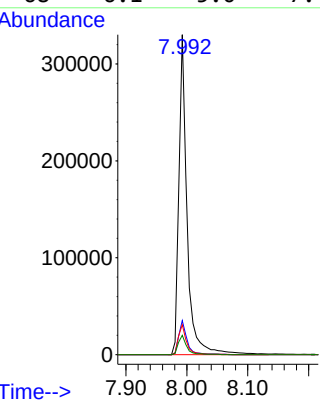
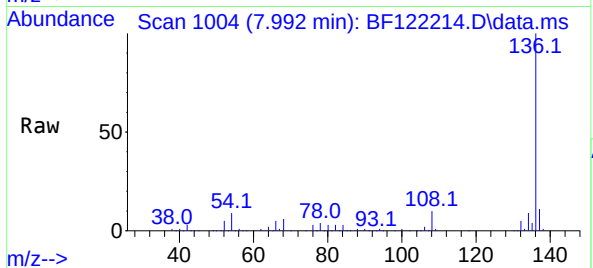




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.992 min Scan# 1004
Delta R.T. -0.006 min
Lab File: BF122214.D
Acq: 31 Oct 2020 11:11

Tgt Ion: 136 Resp: 310849

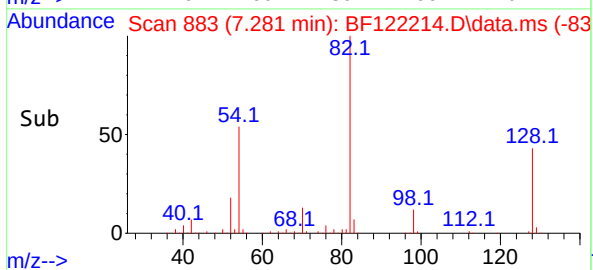
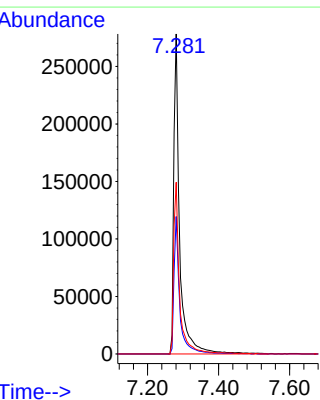
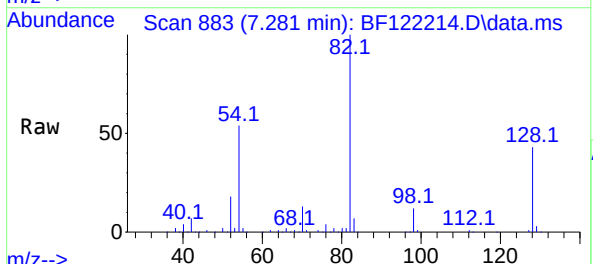
Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.6	13.0
54	9.4	7.1	10.7
68	6.1	5.0	7.4



#23
Nitrobenzene-d5
Concen: 52.34 ng
RT: 7.281 min Scan# 883
Delta R.T. -0.006 min
Lab File: BF122214.D
Acq: 31 Oct 2020 11:11

Tgt Ion: 82 Resp: 317243

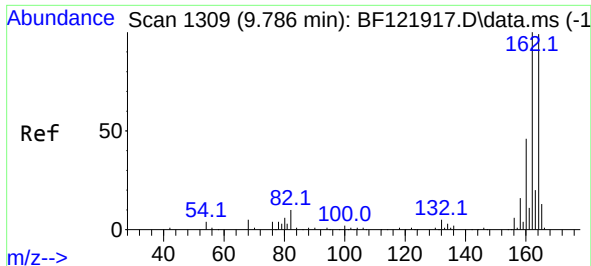
Ion	Ratio	Lower	Upper
82	100		
128	43.0	35.0	52.4
54	53.6	43.9	65.9



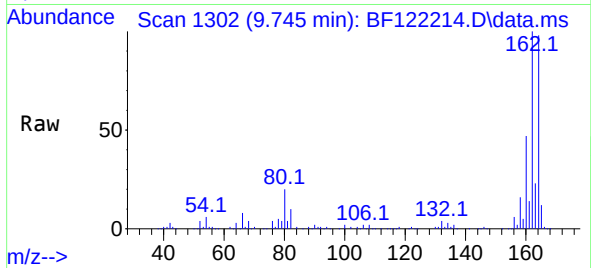
Instrument :
BNA_F
ClientSampleId :
S-5

Manual Integrations
APPROVED

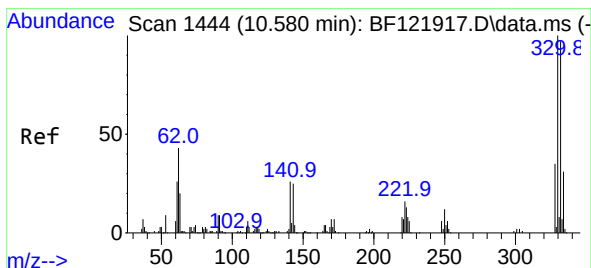
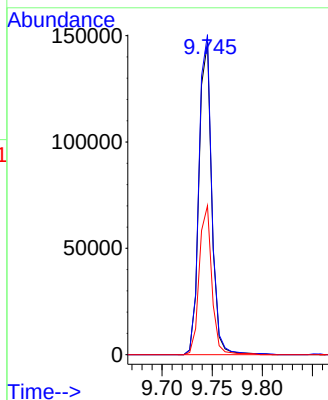
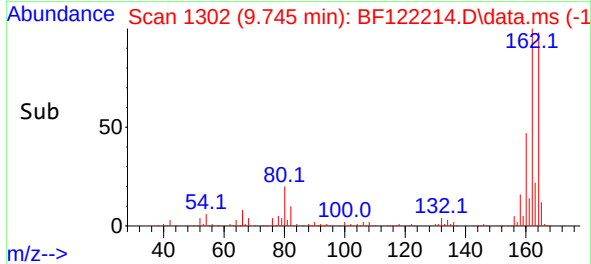
mohammad
11/2/2020 12:36:54 PM



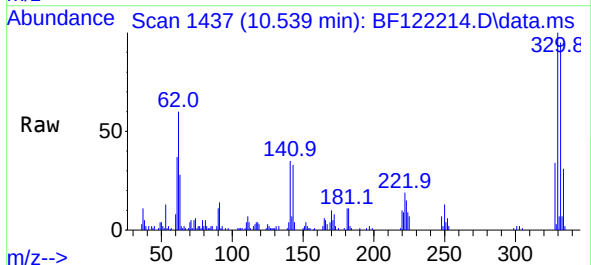
#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.745 min Scan# 1302
Delta R.T. -0.006 min
Lab File: BF122214.D
Acq: 31 Oct 2020 11:11



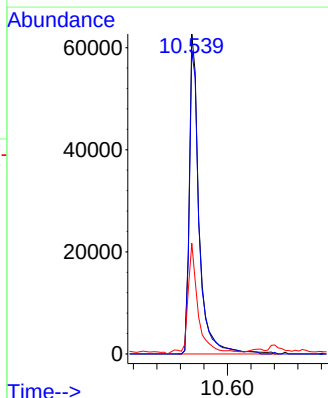
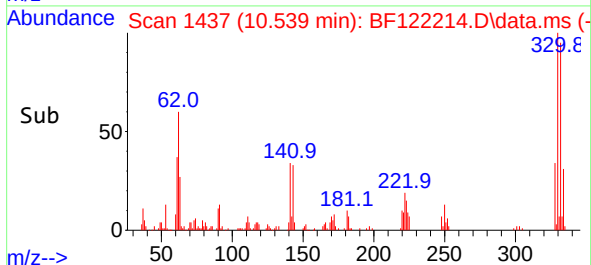
Tgt Ion:164 Resp: 130330
Ion Ratio Lower Upper
164 100
162 102.5 83.2 124.8
160 47.7 37.5 56.3



#42
2,4,6-Tribromophenol
Concen: 45.07 ng
RT: 10.539 min Scan# 1437
Delta R.T. -0.006 min
Lab File: BF122214.D
Acq: 31 Oct 2020 11:11



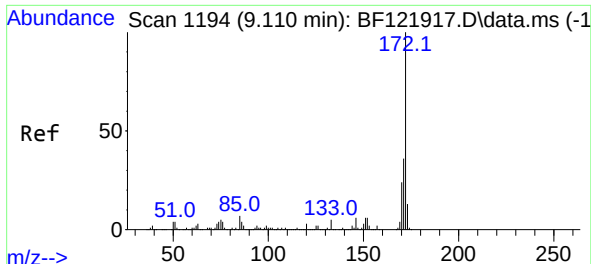
Tgt Ion:330 Resp: 72657
Ion Ratio Lower Upper
330 100
332 95.9 77.3 115.9
141 36.8 22.3 33.5#



Instrument :
BNA_F
ClientSampled :
S-5

Manual Integrations
APPROVED

mohammad
11/2/2020 12:36:54 PM



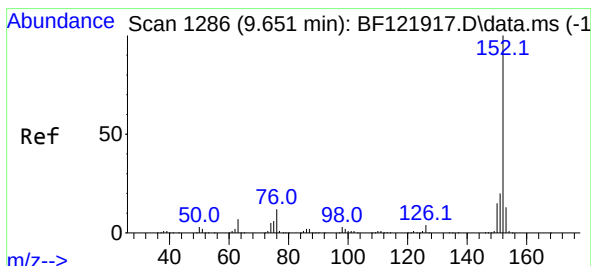
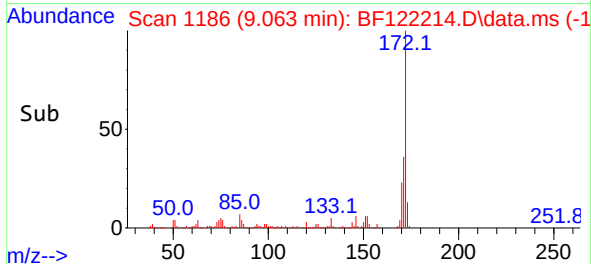
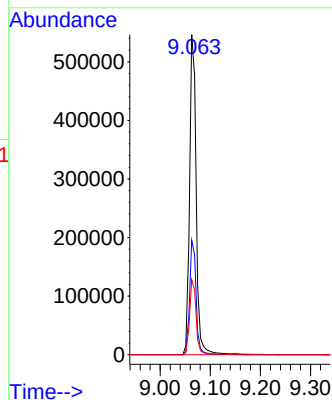
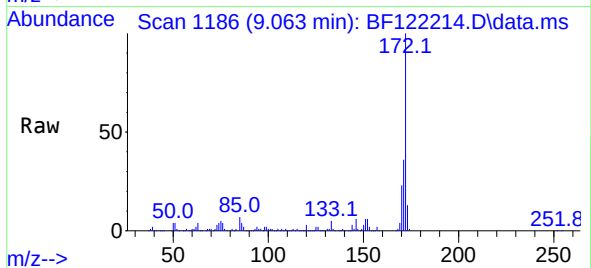
#45
2-Fluorobiphenyl
Concen: 56.99 ng
RT: 9.063 min Scan# 1186
Delta R.T. -0.012 min
Lab File: BF122214.D
Acq: 31 Oct 2020 11:11

Tgt Ion:	172	Resp:	504800
Ion Ratio	Lower	Upper	
172	100		
171	35.8	29.1	43.7
170	23.5	19.8	29.6

Instrument :
BNA_F
ClientSampleId :
S-5

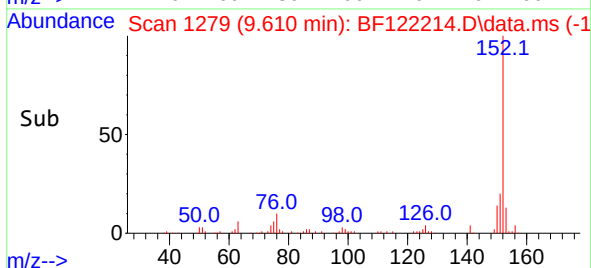
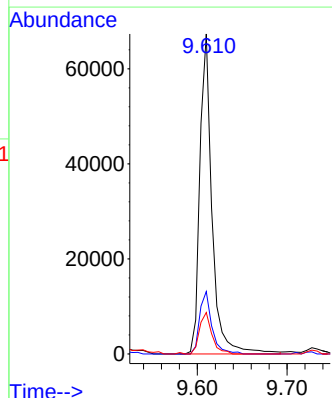
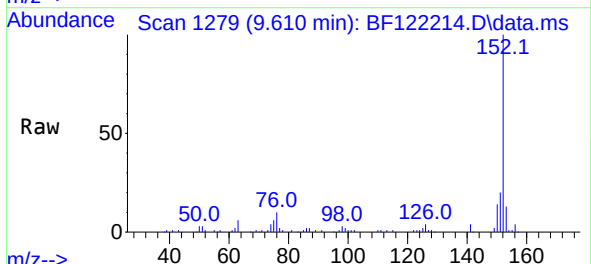
Manual Integrations
APPROVED

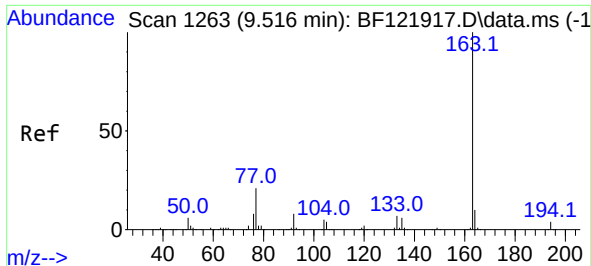
mohammad
11/2/2020 12:36:54 PM



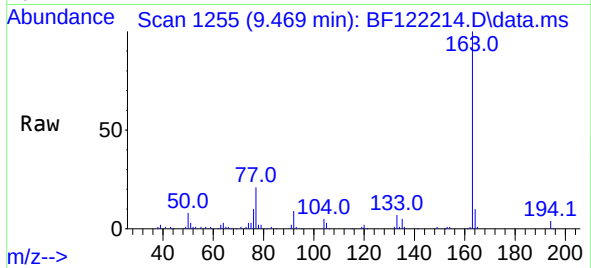
#49
Acenaphthylene
Concen: 5.02 ng
RT: 9.610 min Scan# 1279
Delta R.T. -0.006 min
Lab File: BF122214.D
Acq: 31 Oct 2020 11:11

Tgt Ion:	152	Resp:	63541
Ion Ratio	Lower	Upper	
152	100		
151	19.5	16.4	24.6
153	13.0	10.6	15.8

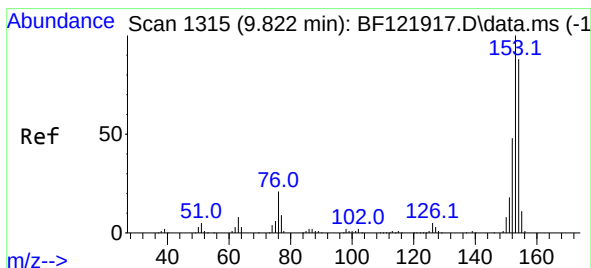
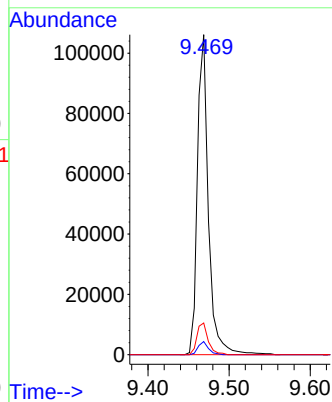
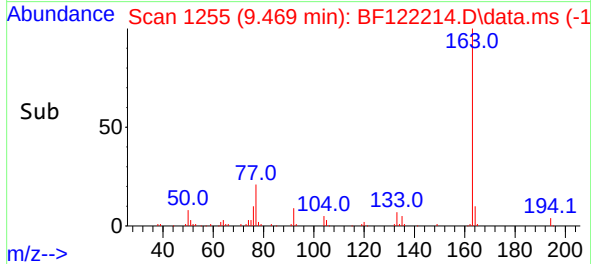




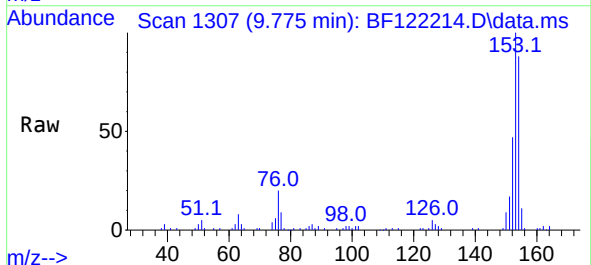
#50
Dimethylphthalate
Concen: 10.53 ng
RT: 9.469 min Scan# 1255
Delta R.T. -0.012 min
Lab File: BF122214.D
Acq: 31 Oct 2020 11:11



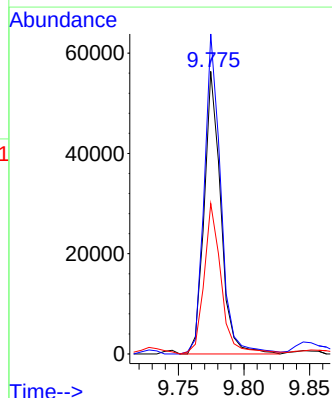
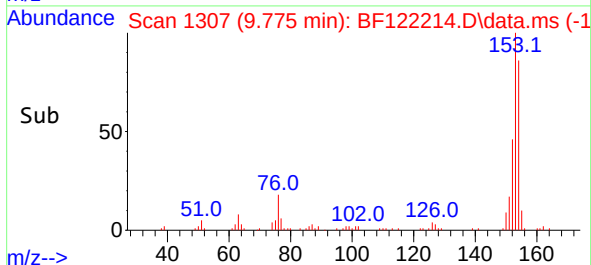
Tgt Ion:163 Resp: 100305
Ion Ratio Lower Upper
163 100
194 4.1 3.3 4.9
164 9.9 8.2 12.4



#52
Acenaphthene
Concen: 6.60 ng
RT: 9.775 min Scan# 1307
Delta R.T. -0.012 min
Lab File: BF122214.D
Acq: 31 Oct 2020 11:11



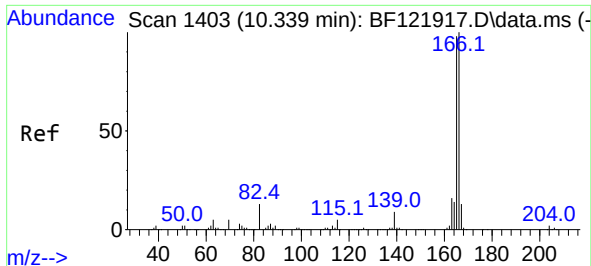
Tgt Ion:154 Resp: 49668
Ion Ratio Lower Upper
154 100
153 113.3 89.8 134.8
152 53.2 43.2 64.8



Instrument :
BNA_F
ClientSampled :
S-5

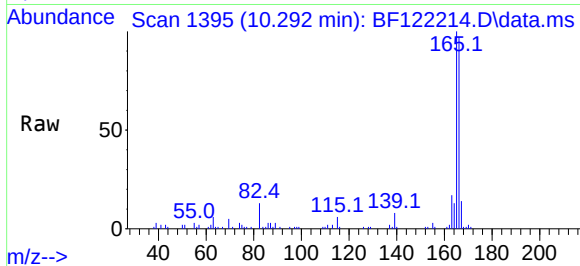
Manual Integrations
APPROVED

mohammad
11/2/2020 12:36:54 PM



#58
Fluorene
Concen: 5.77 ng
RT: 10.292 min Scan# 1395
Delta R.T. -0.006 min
Lab File: BF122214.D
Acq: 31 Oct 2020 11:11

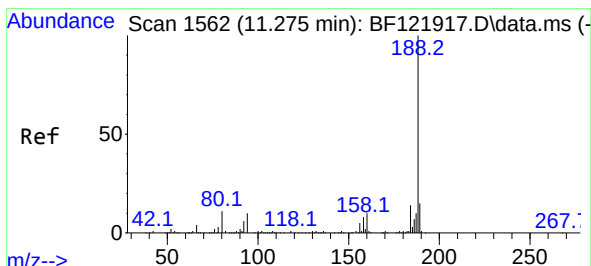
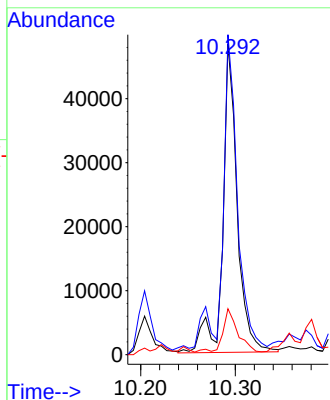
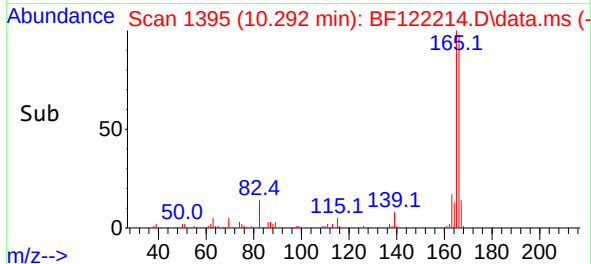
Instrument :
BNA_F
ClientSampled :
S-5



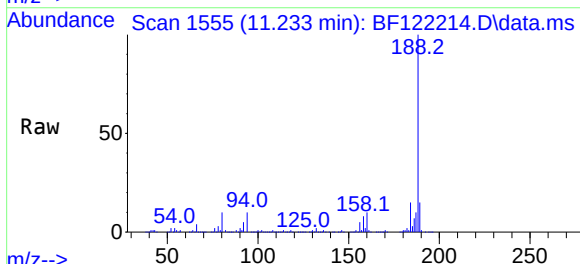
Tgt Ion:166 Resp: 51202
Ion Ratio Lower Upper
166 100
165 103.0 79.1 118.7
167 14.8 11.0 16.6

Manual Integrations
APPROVED

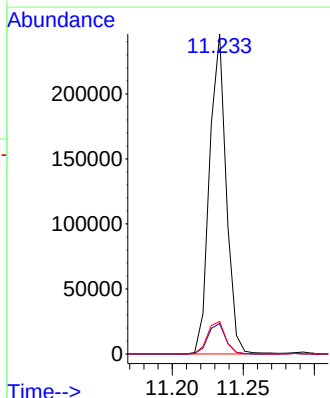
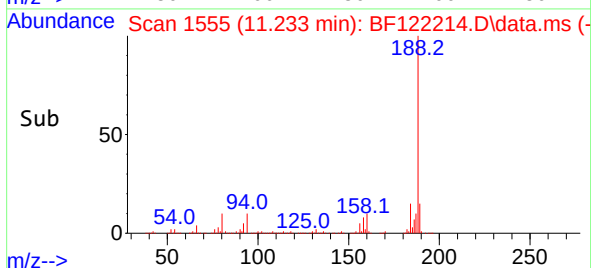
mohammad
11/2/2020 12:36:54 PM

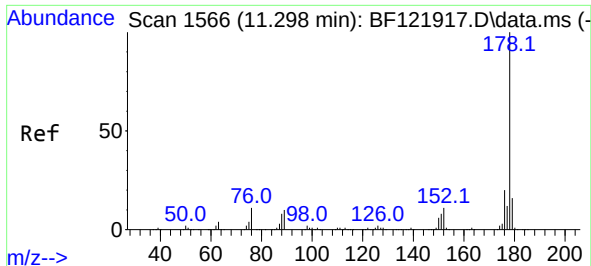


#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.233 min Scan# 1555
Delta R.T. -0.000 min
Lab File: BF122214.D
Acq: 31 Oct 2020 11:11



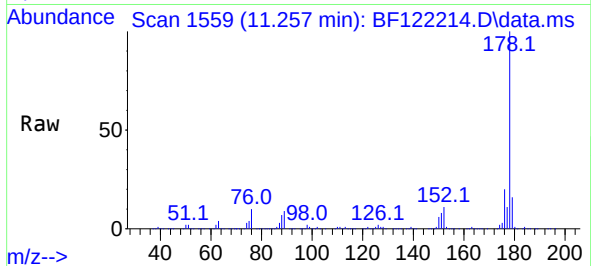
Tgt Ion:188 Resp: 202022
Ion Ratio Lower Upper
188 100
94 9.5 8.3 12.5
80 10.1 9.1 13.7





#71
Phenanthrene
Concen: 75.44 ng
RT: 11.257 min Scan# 1559
Delta R.T. -0.006 min
Lab File: BF122214.D
Acq: 31 Oct 2020 11:11

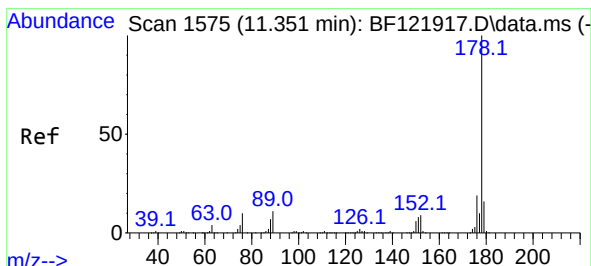
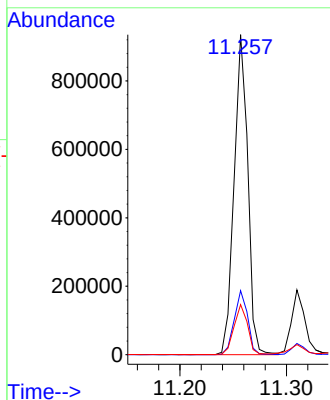
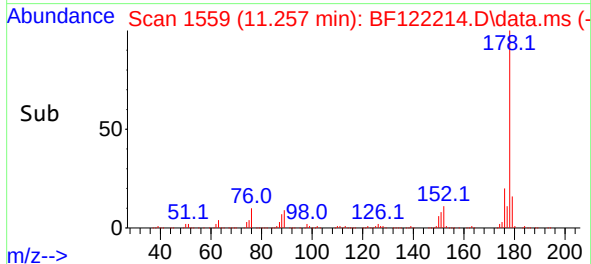
Instrument :
BNA_F
ClientSampled :
S-5



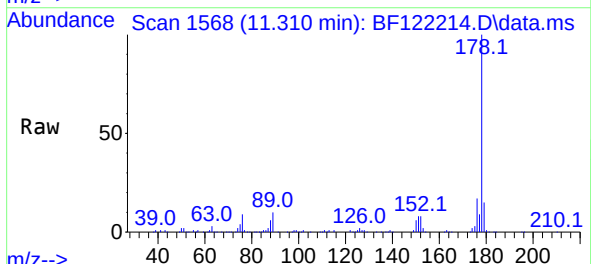
Tgt Ion:178 Resp: 835602
Ion Ratio Lower Upper
178 100
176 20.0 15.9 23.9
179 15.7 12.2 18.4

Manual Integrations
APPROVED

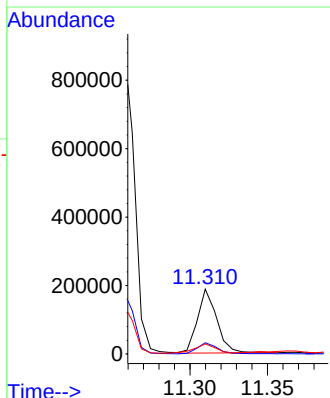
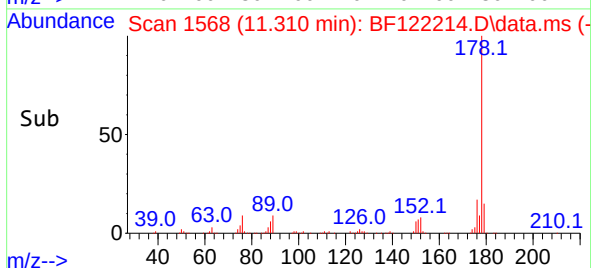
mohammad
11/2/2020 12:36:54 PM

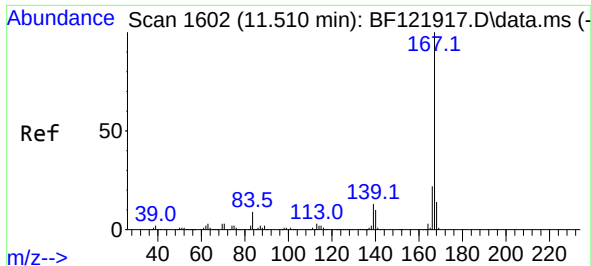


#72
Anthracene
Concen: 14.10 ng
RT: 11.310 min Scan# 1568
Delta R.T. -0.006 min
Lab File: BF122214.D
Acq: 31 Oct 2020 11:11



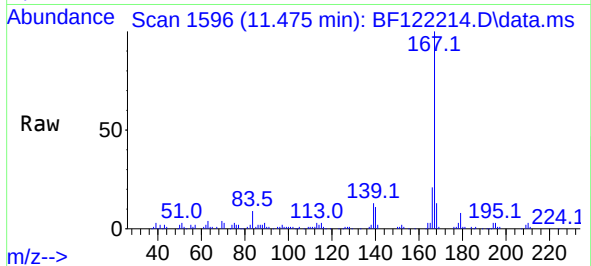
Tgt Ion:178 Resp: 161962
Ion Ratio Lower Upper
178 100
176 17.4 15.7 23.5
179 15.5 12.7 19.1





#73
 Carbazole
 Concen: 8.53 ng
 RT: 11.475 min Scan# 1596
 Delta R.T. -0.000 min
 Lab File: BF122214.D
 Acq: 31 Oct 2020 11:11

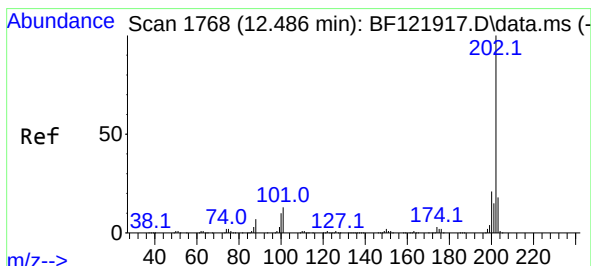
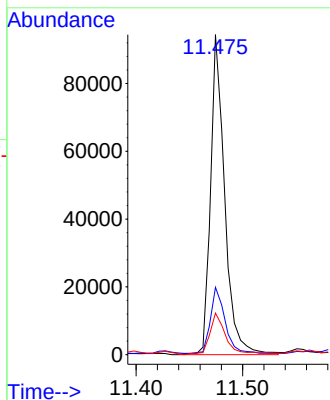
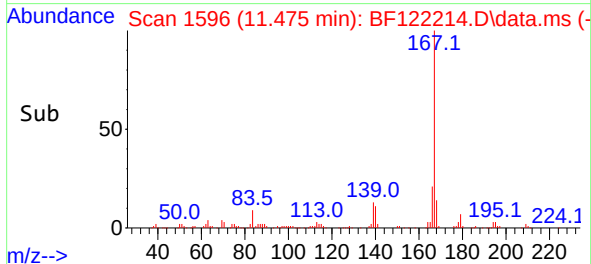
Instrument :
 BNA_F
 ClientSampleId :
 S-5



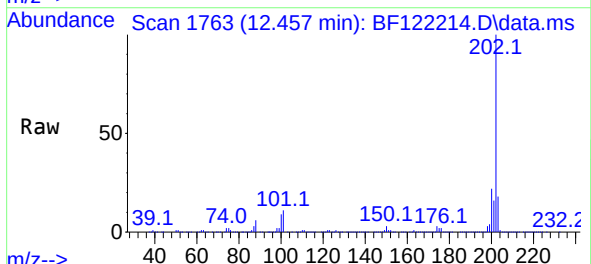
Tgt Ion:167 Resp: 87112
 Ion Ratio Lower Upper
 167 100
 166 21.0 17.8 26.6
 139 13.0 10.8 16.2

Manual Integrations
 APPROVED

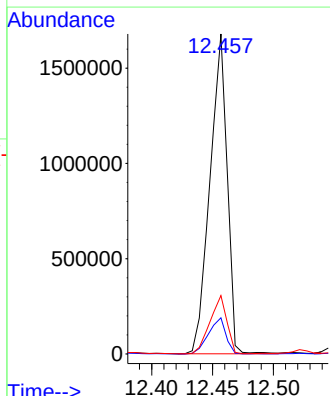
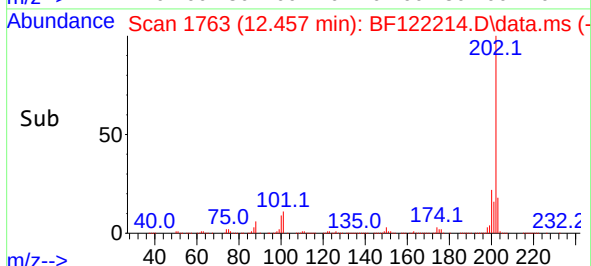
mohammad
 11/2/2020 12:36:54 PM

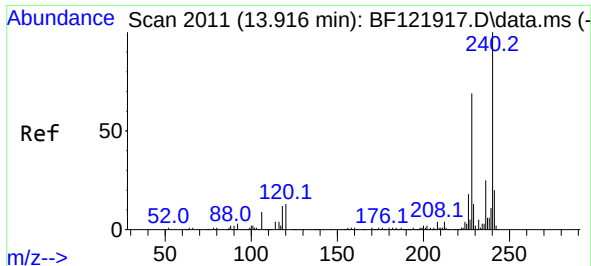


#75
 Fluoranthene
 Concen: 139.58 ng
 RT: 12.457 min Scan# 1763
 Delta R.T. 0.006 min
 Lab File: BF122214.D
 Acq: 31 Oct 2020 11:11

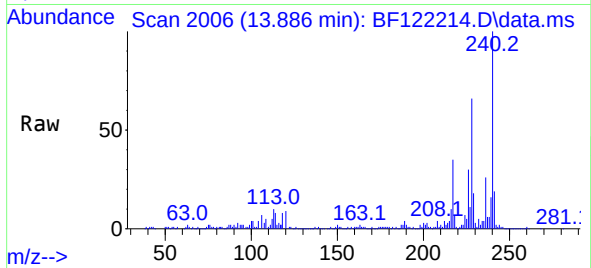


Tgt Ion:202 Resp: 1657798
 Ion Ratio Lower Upper
 202 100
 101 11.3 0.0 33.4
 203 18.3 0.0 37.9

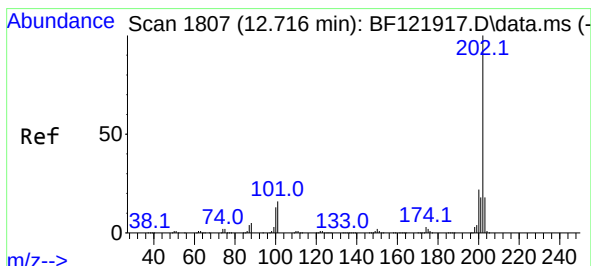
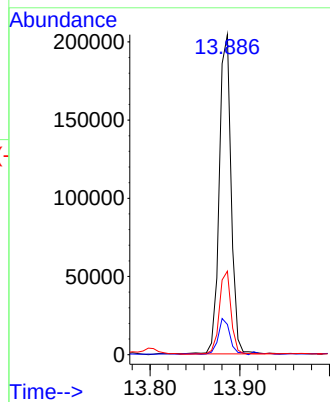
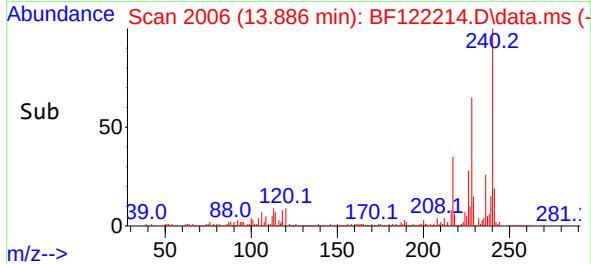




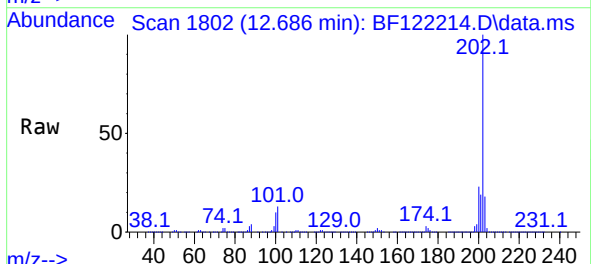
#76
Chrysene-d12
Concen: 20.00 ng
RT: 13.886 min Scan# 2006
Delta R.T. 0.006 min
Lab File: BF122214.D
Acq: 31 Oct 2020 11:11



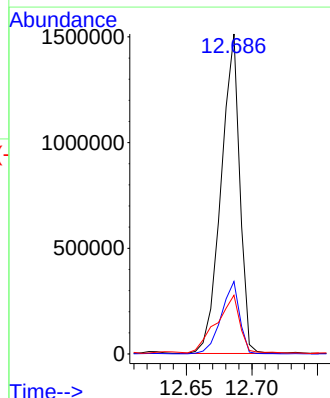
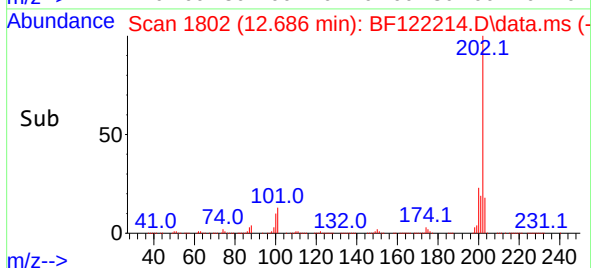
Tgt Ion:240 Resp: 186682
Ion Ratio Lower Upper
240 100
120 9.5 9.2 13.8
236 26.1 20.9 31.3



#78
Pyrene
Concen: 105.11 ng
RT: 12.686 min Scan# 1802
Delta R.T. 0.006 min
Lab File: BF122214.D
Acq: 31 Oct 2020 11:11



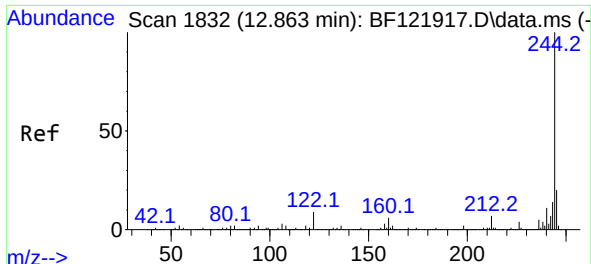
Tgt Ion:202 Resp: 1495320
Ion Ratio Lower Upper
202 100
200 22.6 17.4 26.2
203 18.3 14.6 21.8



Instrument :
BNA_F
ClientSampled :
S-5

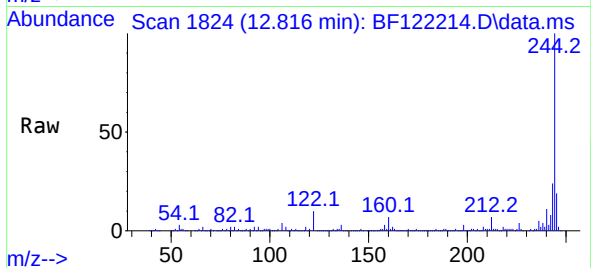
Manual Integrations
APPROVED

mohammad
11/2/2020 12:36:54 PM



#79
Terphenyl-d14
Concen: 37.69 ng
RT: 12.816 min Scan# 1824
Delta R.T. -0.000 min
Lab File: BF122214.D
Acq: 31 Oct 2020 11:11

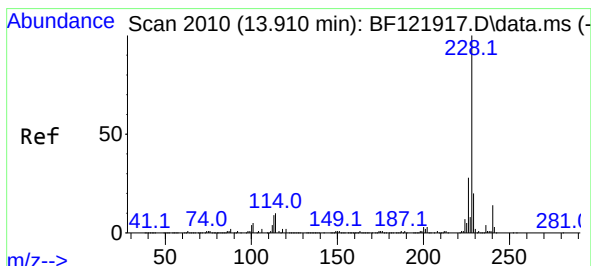
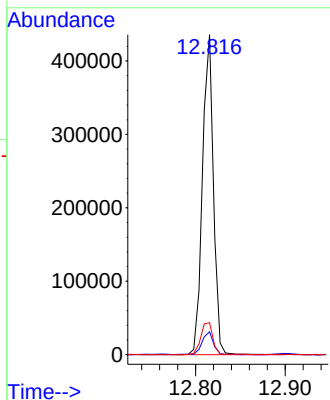
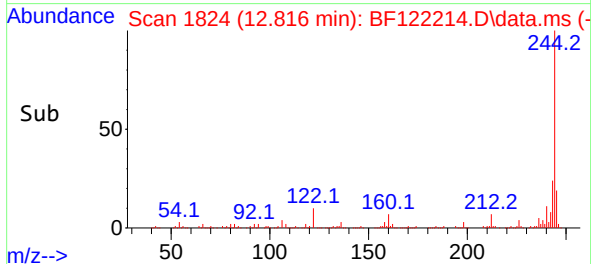
Instrument :
BNA_F
ClientSampled :
S-5



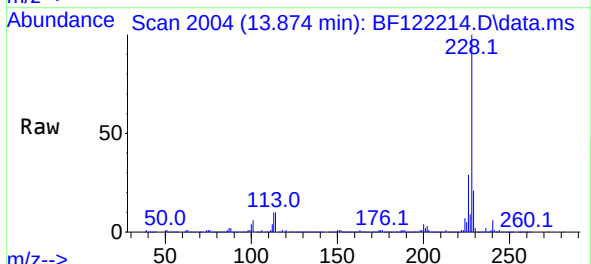
Tgt Ion:244 Resp: 369201
Ion Ratio Lower Upper
244 100
212 7.2 5.4 8.2
122 10.0 8.1 12.1

Manual Integrations
APPROVED

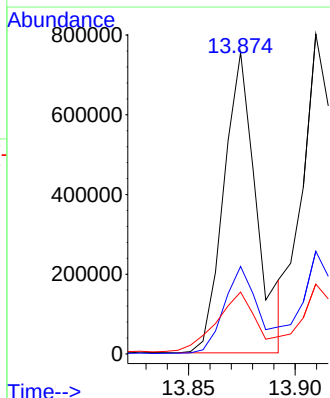
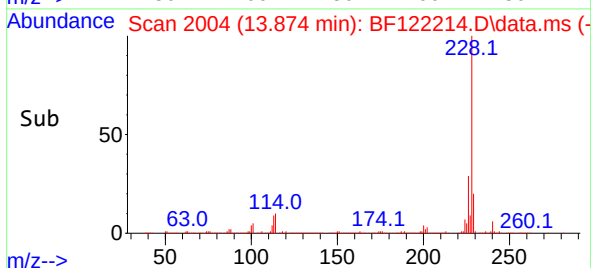
mohammad
11/2/2020 12:36:54 PM

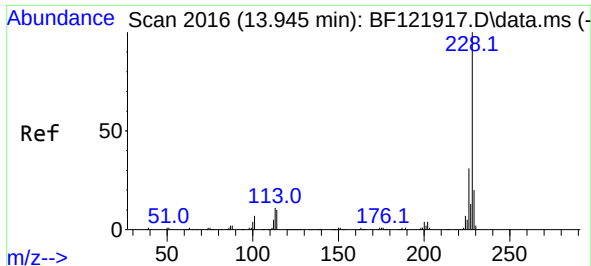


#81
Benzo(a)anthracene
Concen: 66.23 ng
RT: 13.874 min Scan# 2004
Delta R.T. 0.006 min
Lab File: BF122214.D
Acq: 31 Oct 2020 11:11



Tgt Ion:228 Resp: 810216
Ion Ratio Lower Upper
228 100
226 29.0 22.3 33.5
229 20.5 16.2 24.4





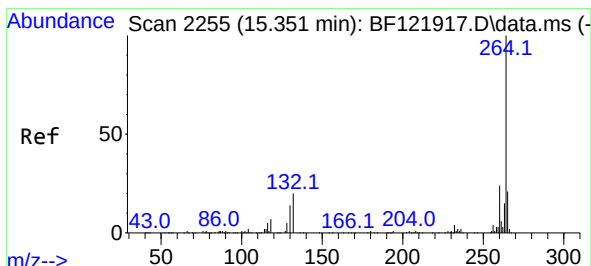
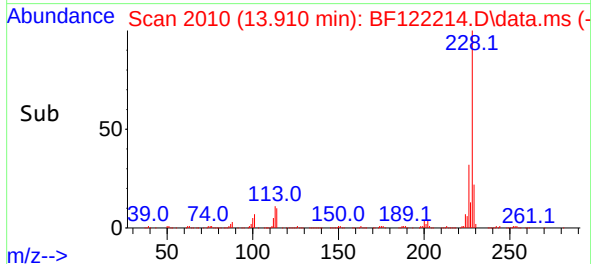
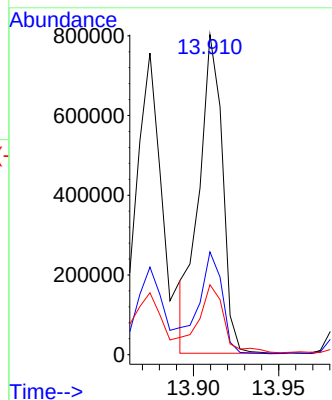
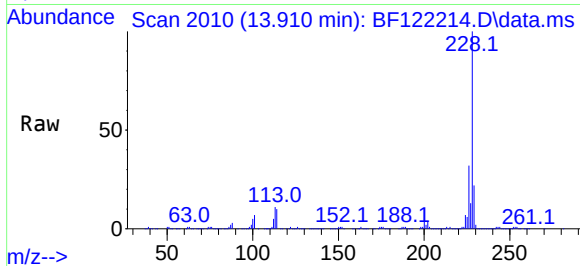
#83
Chrysene
Concen: 63.69 ng
RT: 13.910 min Scan# 2010
Delta R.T. 0.006 min
Lab File: BF122214.D
Acq: 31 Oct 2020 11:11

Tgt Ion:228 Resp: 764901
Ion Ratio Lower Upper
228 100
226 32.1 24.6 37.0
229 21.8 15.9 23.9

Instrument :
BNA_F
ClientSampled :
S-5

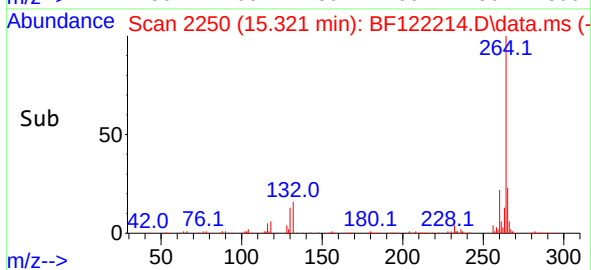
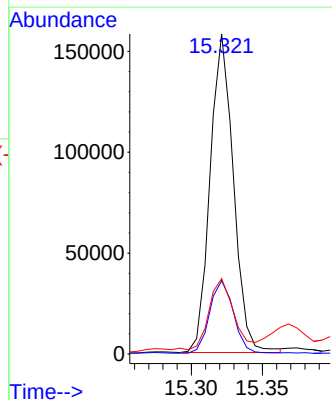
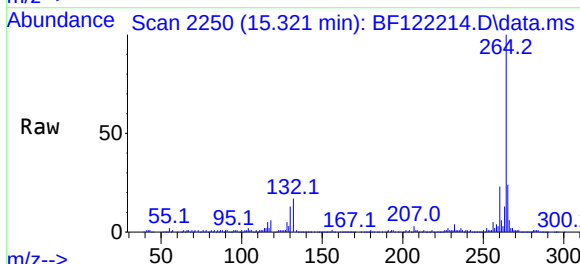
Manual Integrations
APPROVED

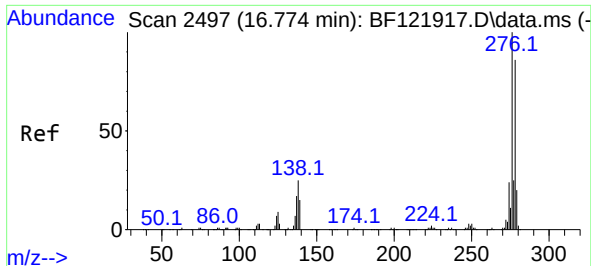
mohammad
11/2/2020 12:36:54 PM



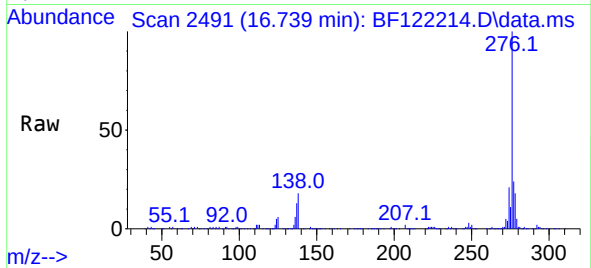
#86
Perylene-d12
Concen: 20.00 ng
RT: 15.321 min Scan# 2250
Delta R.T. 0.018 min
Lab File: BF122214.D
Acq: 31 Oct 2020 11:11

Tgt Ion:264 Resp: 180428
Ion Ratio Lower Upper
264 100
260 22.9 18.7 28.1
265 23.5 17.3 25.9

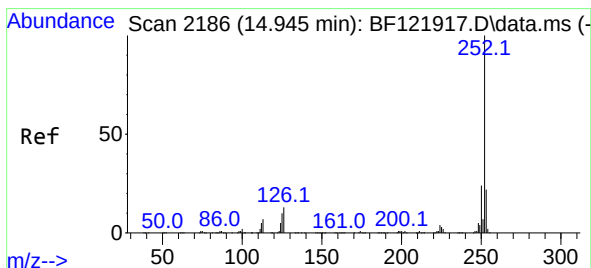
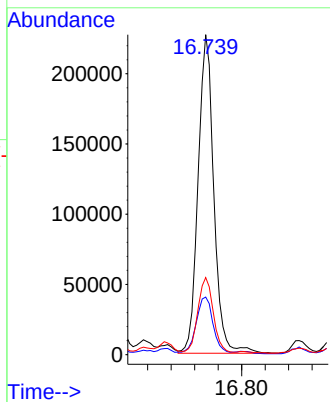
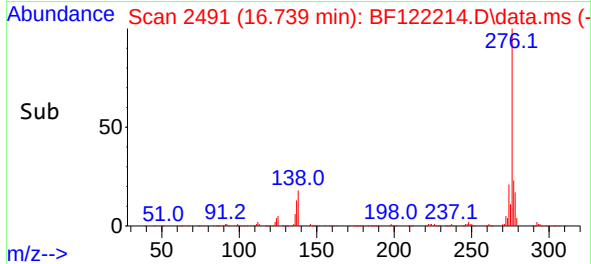




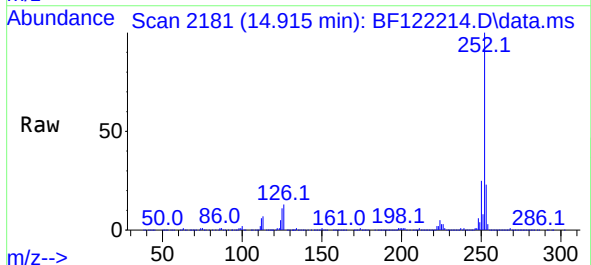
#87
Indeno(1,2,3-cd)pyrene
Concen: 35.94 ng m
RT: 16.739 min Scan# 2491
Delta R.T. 0.024 min
Lab File: BF122214.D
Acq: 31 Oct 2020 11:11



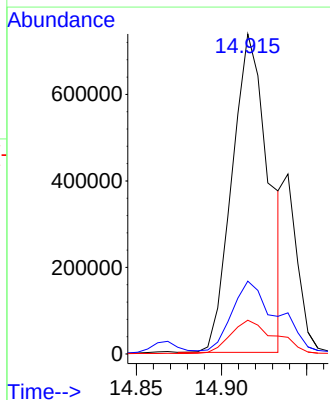
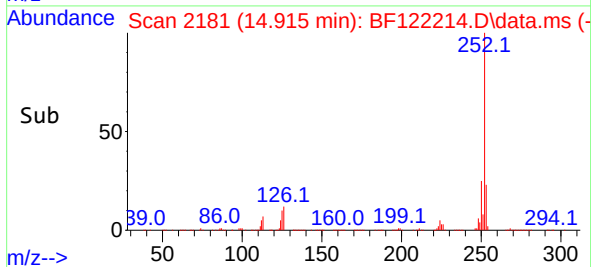
Tgt Ion: 276 Resp: 420981
Ion Ratio Lower Upper
276 100
138 2.4 19.9 29.9#
277 3.2 20.4 30.6#



#88
Benzo(b)fluoranthene
Concen: 90.35 ng m
RT: 14.915 min Scan# 2181
Delta R.T. 0.018 min
Lab File: BF122214.D
Acq: 31 Oct 2020 11:11



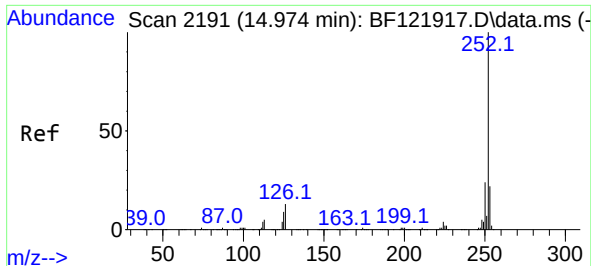
Tgt Ion: 252 Resp: 1101871
Ion Ratio Lower Upper
252 100
253 22.8 18.2 27.2
125 10.6 8.0 12.0



Instrument :
BNA_F
ClientSampled :
S-5

Manual Integrations
APPROVED

mohammad
11/2/2020 12:36:54 PM



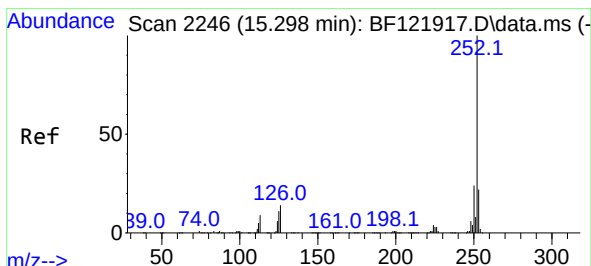
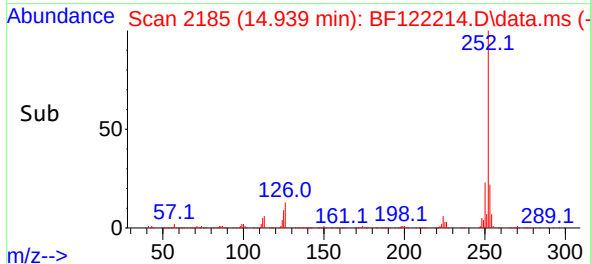
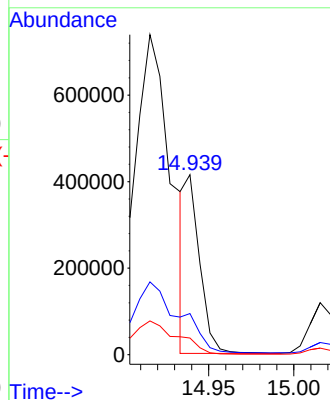
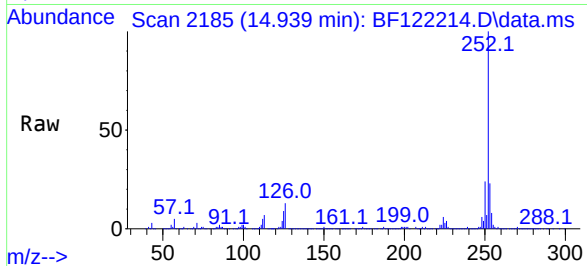
#89
Benzo(k)fluoranthene
Concen: 20.87 ng m
RT: 14.939 min Scan# 2185
Delta R.T. 0.012 min
Lab File: BF122214.D
Acq: 31 Oct 2020 11:11

Tgt Ion:252 Resp: 241761
Ion Ratio Lower Upper
252 100
253 22.8 17.8 26.6
125 9.3 7.7 11.5

Instrument :
BNA_F
ClientSampled :
S-5

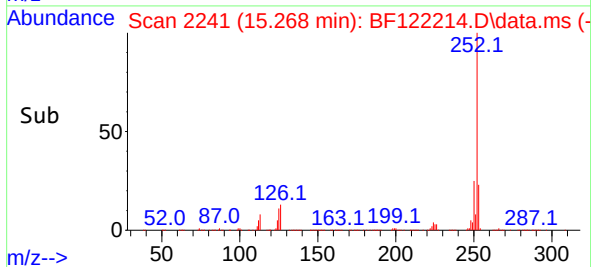
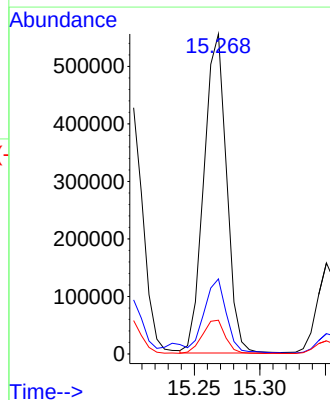
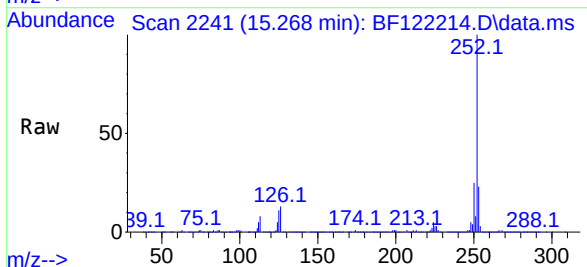
Manual Integrations
APPROVED

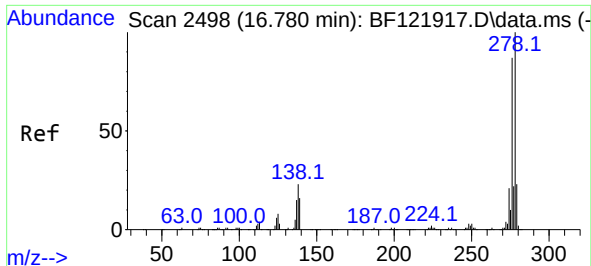
mohammad
11/2/2020 12:36:54 PM



#90
Benzo(a)pyrene
Concen: 63.37 ng
RT: 15.268 min Scan# 2241
Delta R.T. 0.018 min
Lab File: BF122214.D
Acq: 31 Oct 2020 11:11

Tgt Ion:252 Resp: 667560
Ion Ratio Lower Upper
252 100
253 23.5 17.3 25.9
125 10.6 8.6 13.0





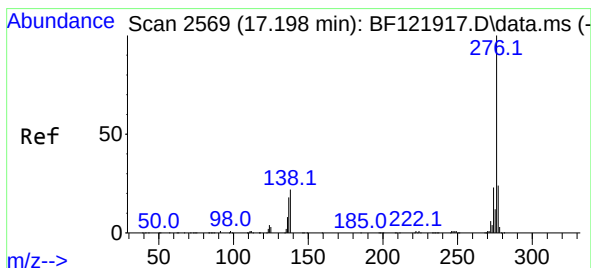
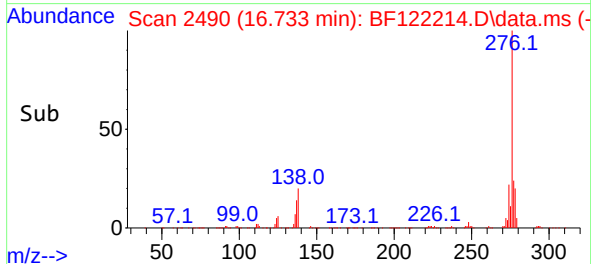
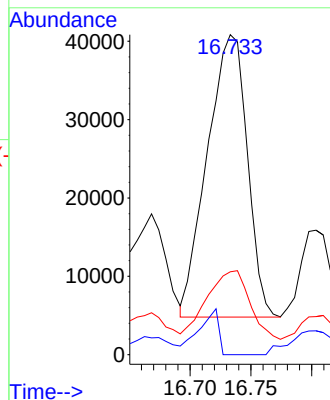
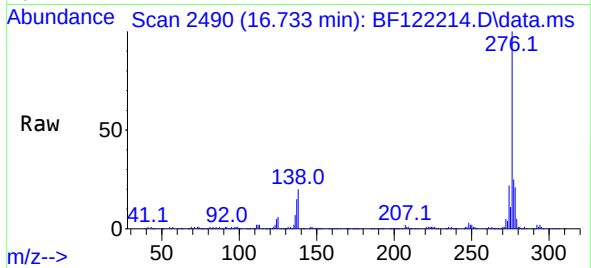
#91
Dibenzo(a,h)anthracene
Concen: 8.53 ng m
RT: 16.733 min Scan# 2490
Delta R.T. 0.018 min
Lab File: BF122214.D
Acq: 31 Oct 2020 11:11

Tgt Ion: 278 Resp: 82286
Ion Ratio Lower Upper
278 100
139 0.0 13.0 19.4#
279 25.9 19.0 28.4

Instrument :
BNA_F
ClientSampled :
S-5

Manual Integrations
APPROVED

mohammad
11/2/2020 12:36:54 PM



#92
Benzo(g,h,i)perylene
Concen: 40.29 ng
RT: 17.162 min Scan# 2563
Delta R.T. 0.029 min
Lab File: BF122214.D
Acq: 31 Oct 2020 11:11

Tgt Ion: 276 Resp: 388953
Ion Ratio Lower Upper
276 100
277 25.8 19.4 29.2
138 21.5 17.8 26.6

