

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF033021\
 Data File : BF123534.D
 Acq On : 30 Mar 2021 22:00
 Operator : JU/CG
 Sample : M1823-01 2X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MK-3-29-B1

Manual Integrations
 APPROVED

mohammad
 3/31/2021 1:36:25 PM

Quant Time: Mar 31 04:10:38 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF032321.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Mar 30 11:51:25 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.887	152	148707	20.00	ng	0.00
21) Naphthalene-d8	8.169	136	525953	20.00	ng	# 0.00
39) Acenaphthene-d10	9.928	164	264754	20.00	ng	0.00
64) Phenanthrene-d10	11.422	188	367467	20.00	ng	# 0.00
76) Chrysene-d12	14.069	240	256354	20.00	ng	# 0.00
86) Perylene-d12	15.568	264	219420	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	318407	35.03	ng	0.00
7) Phenol-d6	6.504	99	410645	33.94	ng	-0.01
23) Nitrobenzene-d5	7.445	82	296675	30.44	ng	-0.01
42) 2,4,6-Tribromophenol	10.716	330	111599	37.70	ng	-0.01
45) 2-Fluorobiphenyl	9.245	172	568501	30.68	ng	-0.01
79) Terphenyl-d14	13.010	244	393560	26.02	ng	0.00
Target Compounds						Qvalue
58) Fluorene	10.475	166	37878	2.15	ng	97
71) Phenanthrene	11.445	178	246227	12.12	ng	98
72) Anthracene	11.492	178	88970	4.35	ng	97
75) Fluoranthene	12.639	202	385536	17.53	ng	93
78) Pyrene	12.869	202	356833	16.14	ng	98
81) Benzo(a)anthracene	14.057	228	190237	11.34	ng	99
83) Chrysene	14.092	228	152762m	8.82	ng	
87) Indeno(1,2,3-cd)pyrene	17.068	276	70731	5.19	ng	# 89
88) Benzo(b)fluoranthene	15.127	252	185359m	12.24	ng	
89) Benzo(k)fluoranthene	15.151	252	58579m	4.09	ng	
90) Benzo(a)pyrene	15.504	252	140091	10.72	ng	98
92) Benzo(g,h,i)perylene	17.527	276	62818	5.42	ng	96

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

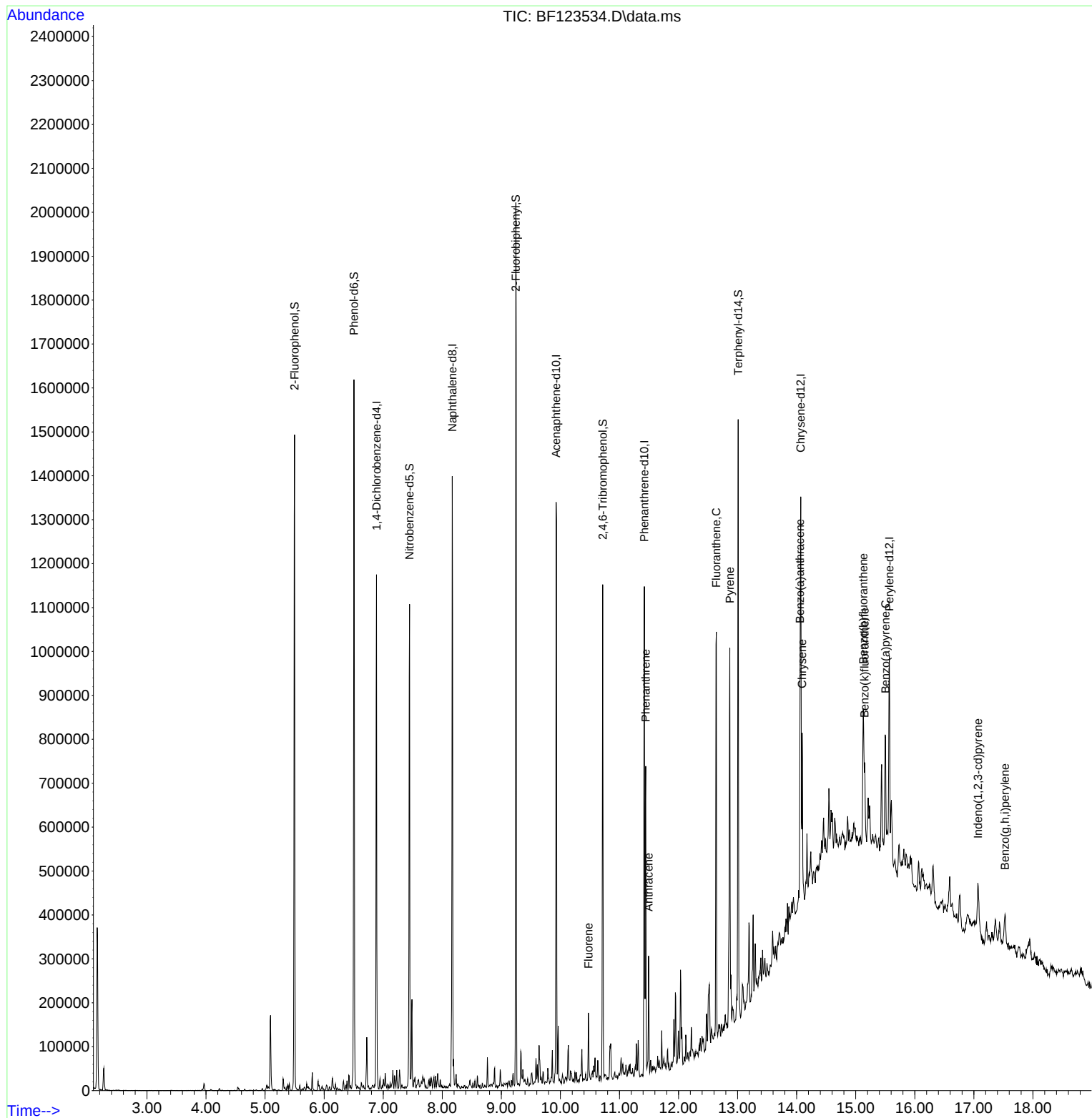
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF033021\
Data File : BF123534.D
Acq On : 30 Mar 2021 22:00
Operator : JU/CG
Sample : M1823-01 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

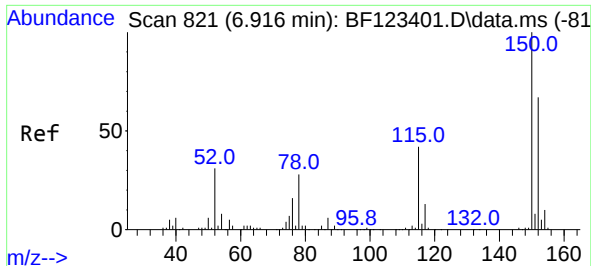
Instrument :
BNA_F
ClientSampled :
MK-3-29-B1

Manual Integrations
APPROVED

mohammad
3/31/2021 1:36:25 PM

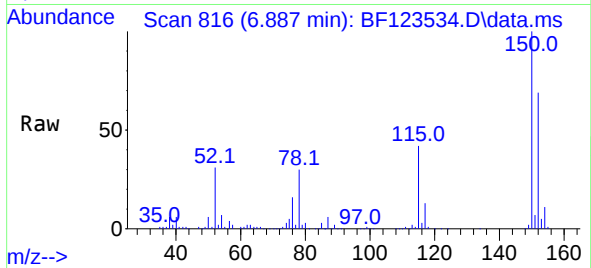
Quant Time: Mar 31 04:10:38 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF032321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Mar 30 11:51:25 2021
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.887 min Scan# 816
Delta R.T. -0.000 min
Lab File: BF123534.D
Acq: 30 Mar 2021 22:00

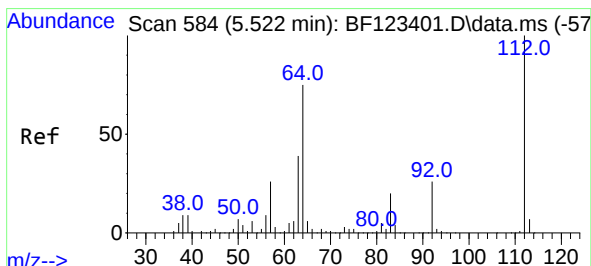
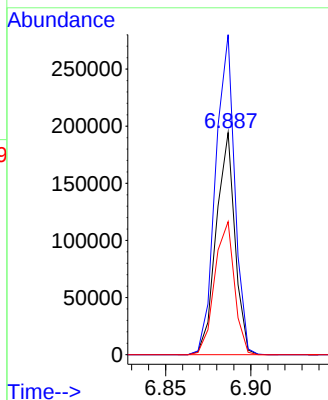
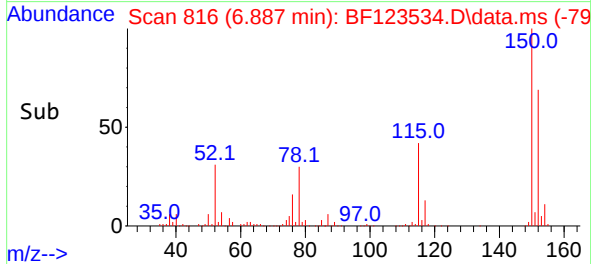
Instrument :
BNA_F
ClientSampled :
MK-3-29-B1



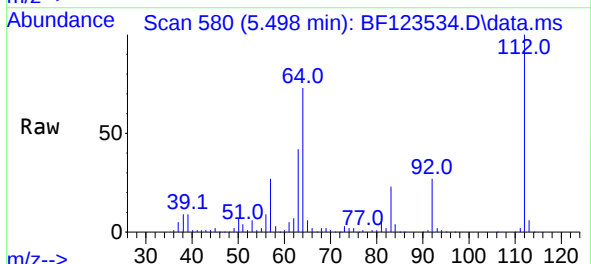
Tgt Ion:152 Resp: 148707
Ion Ratio Lower Upper
152 100
150 144.1 125.8 188.6
115 59.9 49.3 73.9

Manual Integrations
APPROVED

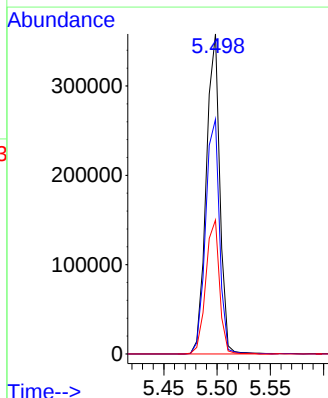
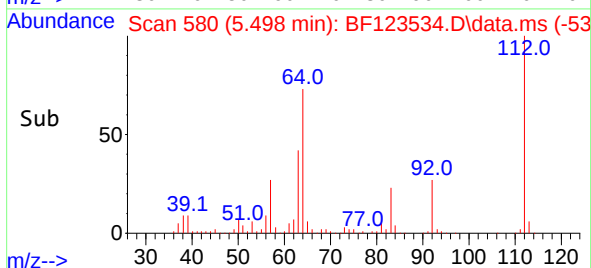
mohammad
3/31/2021 1:36:25 PM

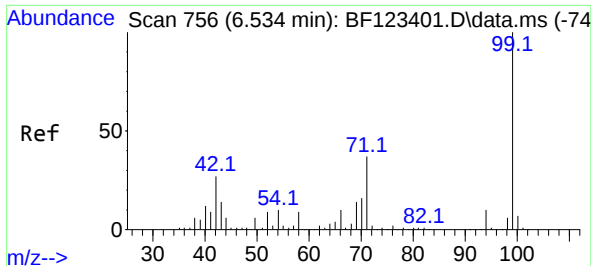


#5
2-Fluorophenol
Concen: 35.03 ng
RT: 5.498 min Scan# 580
Delta R.T. -0.006 min
Lab File: BF123534.D
Acq: 30 Mar 2021 22:00



Tgt Ion:112 Resp: 318407
Ion Ratio Lower Upper
112 100
64 73.3 46.9 70.3#
63 41.9 24.5 36.7#





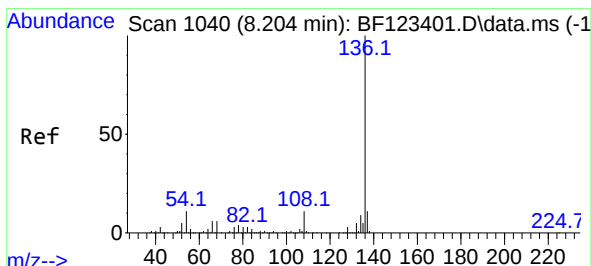
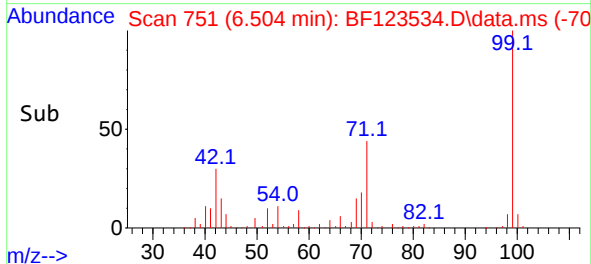
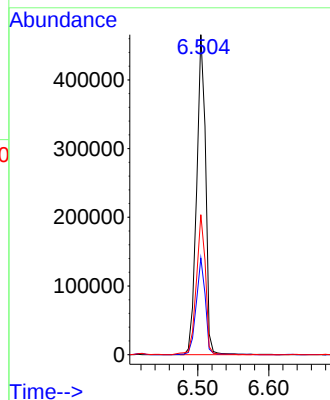
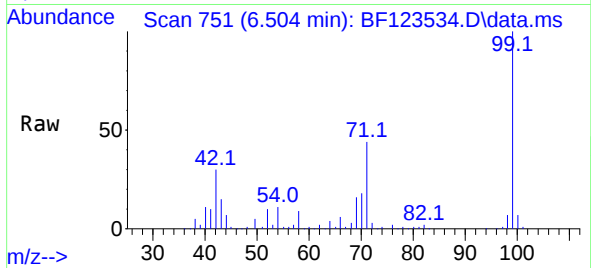
#7
Phenol-d6
Concen: 33.94 ng
RT: 6.504 min Scan# 751
Delta R.T. -0.012 min
Lab File: BF123534.D
Acq: 30 Mar 2021 22:00

Tgt Ion: 99 Resp: 410645
Ion Ratio Lower Upper
99 100
42 30.2 13.8 20.6#
71 43.7 26.9 40.3#

Instrument :
BNA_F
ClientSampled :
MK-3-29-B1

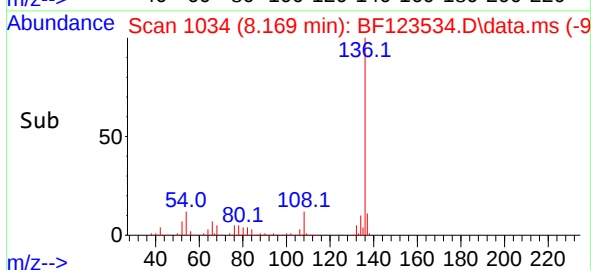
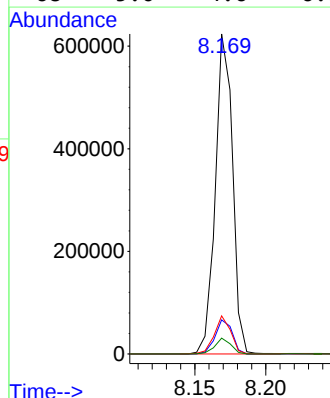
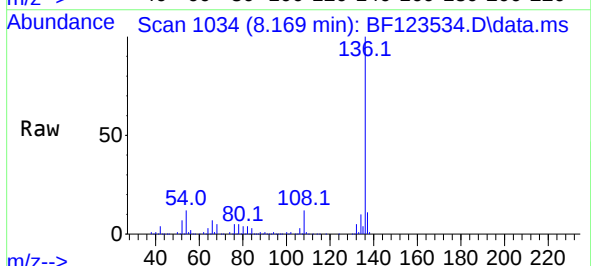
Manual Integrations
APPROVED

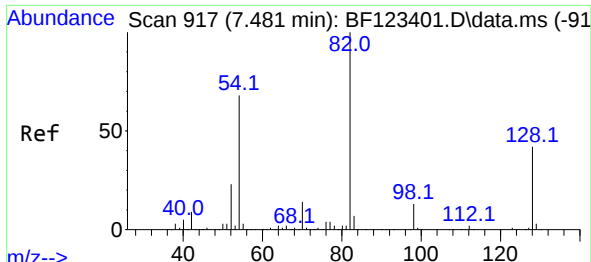
mohammad
3/31/2021 1:36:25 PM



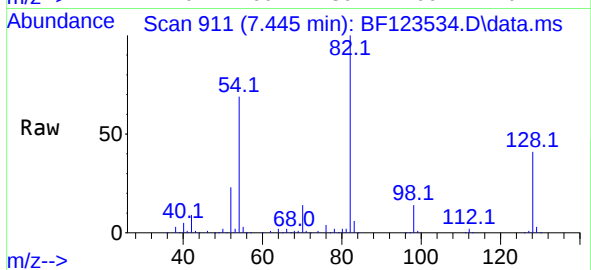
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.169 min Scan# 1034
Delta R.T. -0.006 min
Lab File: BF123534.D
Acq: 30 Mar 2021 22:00

Tgt Ion: 136 Resp: 525953
Ion Ratio Lower Upper
136 100
137 10.7 8.8 13.2
54 11.9 5.5 8.3#
68 5.0 4.6 6.8

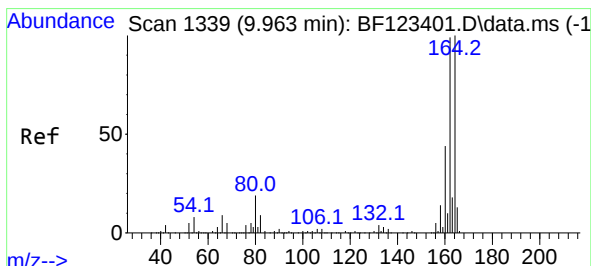
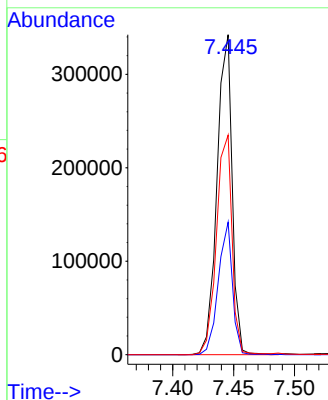
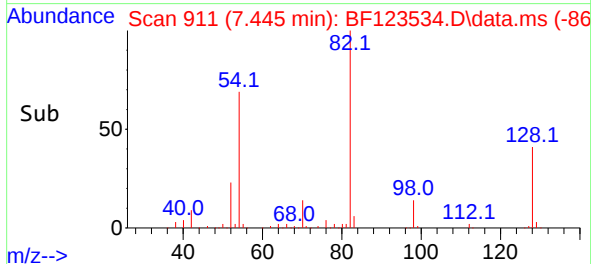




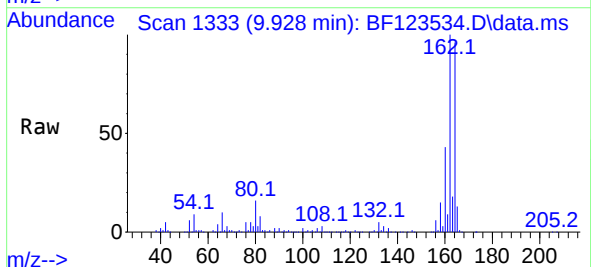
#23
Nitrobenzene-d5
Concen: 30.44 ng
RT: 7.445 min Scan# 911
Delta R.T. -0.012 min
Lab File: BF123534.D
Acq: 30 Mar 2021 22:00



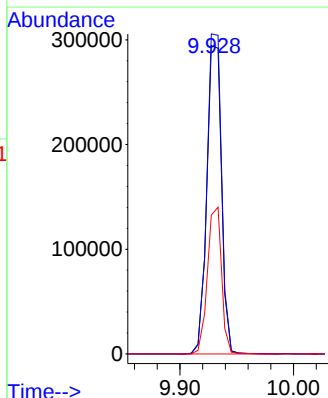
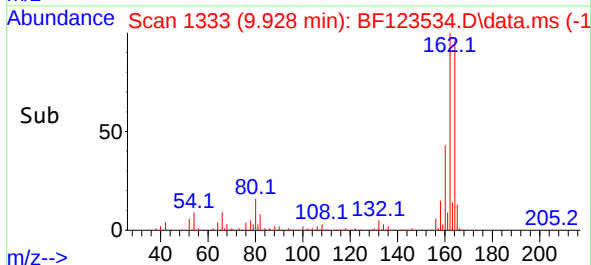
Tgt Ion: 82 Resp: 296675
Ion Ratio Lower Upper
82 100
128 41.4 37.0 55.4
54 68.6 38.4 57.6#



#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.928 min Scan# 1333
Delta R.T. -0.006 min
Lab File: BF123534.D
Acq: 30 Mar 2021 22:00



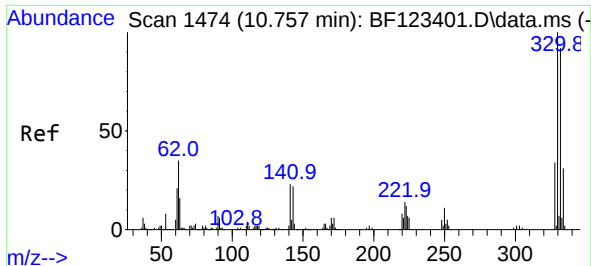
Tgt Ion: 164 Resp: 264754
Ion Ratio Lower Upper
164 100
162 103.8 80.8 121.2
160 45.0 35.4 53.0



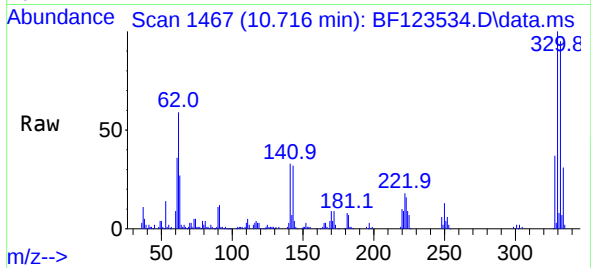
Instrument :
BNA_F
ClientSampleId :
MK-3-29-B1

Manual Integrations
APPROVED

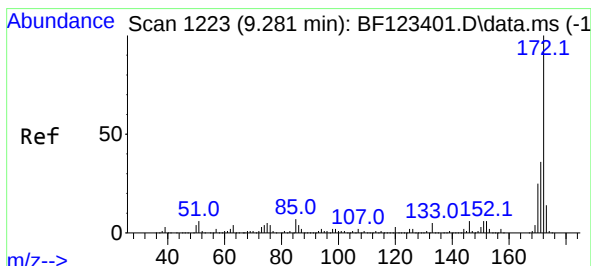
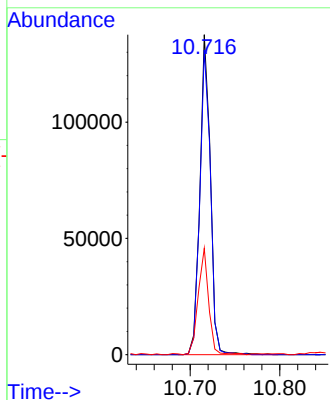
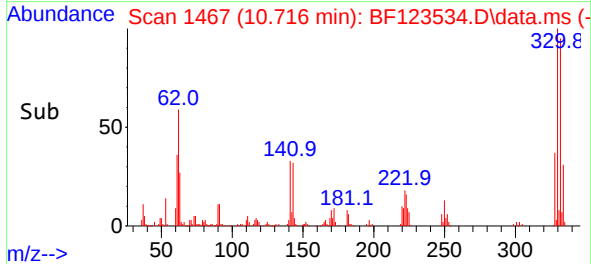
mohammad
3/31/2021 1:36:25 PM



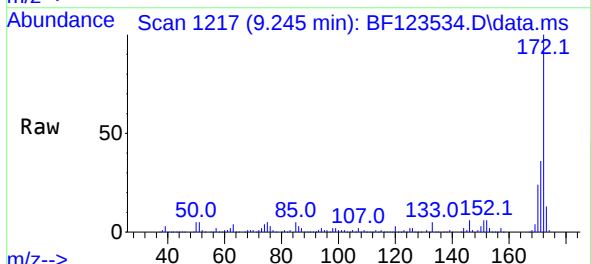
#42
2,4,6-Tribromophenol
Concen: 37.70 ng
RT: 10.716 min Scan# 1467
Delta R.T. -0.012 min
Lab File: BF123534.D
Acq: 30 Mar 2021 22:00



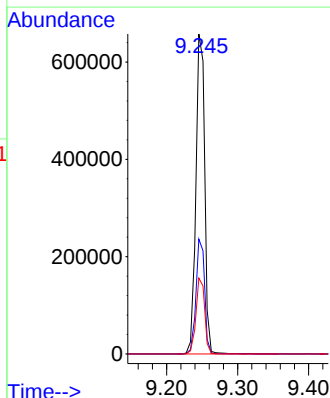
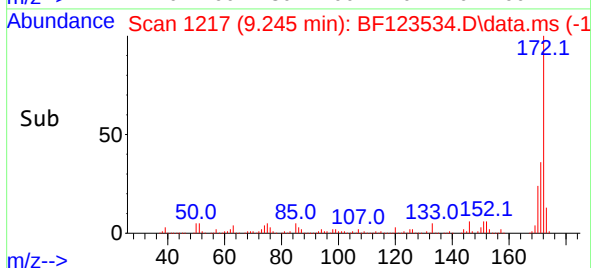
Tgt Ion: 330 Resp: 111599
Ion Ratio Lower Upper
330 100
332 96.2 77.5 116.3
141 33.8 23.8 35.8



#45
2-Fluorobiphenyl
Concen: 30.68 ng
RT: 9.245 min Scan# 1217
Delta R.T. -0.012 min
Lab File: BF123534.D
Acq: 30 Mar 2021 22:00



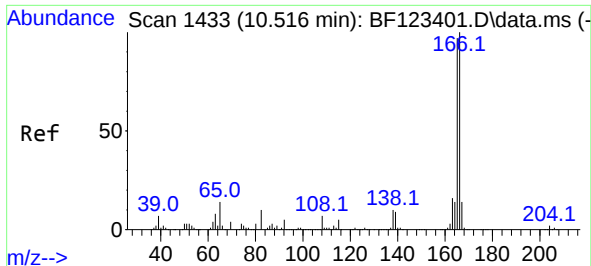
Tgt Ion: 172 Resp: 568501
Ion Ratio Lower Upper
172 100
171 35.9 29.6 44.4
170 23.7 19.5 29.3



Instrument :
BNA_F
ClientSampleId :
MK-3-29-B1

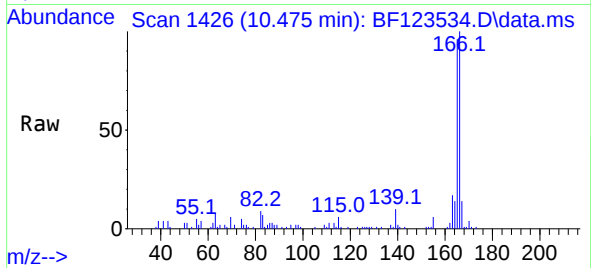
Manual Integrations
APPROVED

mohammad
3/31/2021 1:36:25 PM



#58
Fluorene
Concen: 2.15 ng
RT: 10.475 min Scan# 1426
Delta R.T. -0.012 min
Lab File: BF123534.D
Acq: 30 Mar 2021 22:00

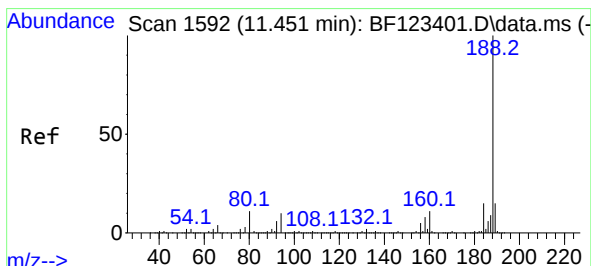
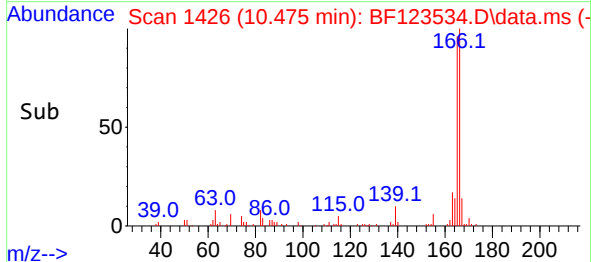
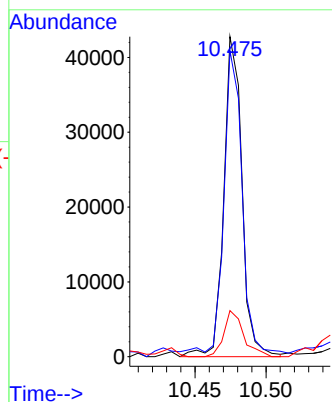
Instrument :
BNA_F
ClientSampleId :
MK-3-29-B1



Tgt Ion:166 Resp: 37878
Ion Ratio Lower Upper
166 100
165 95.6 79.4 119.0
167 14.4 10.9 16.3

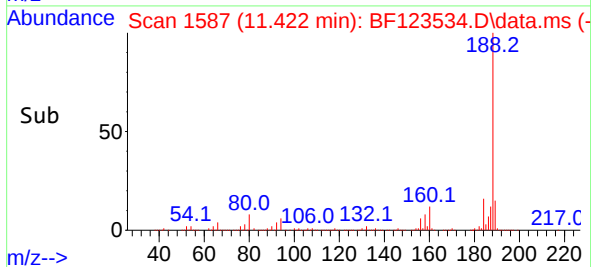
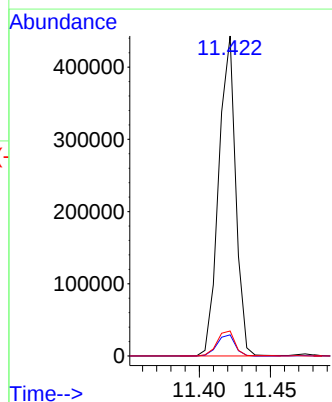
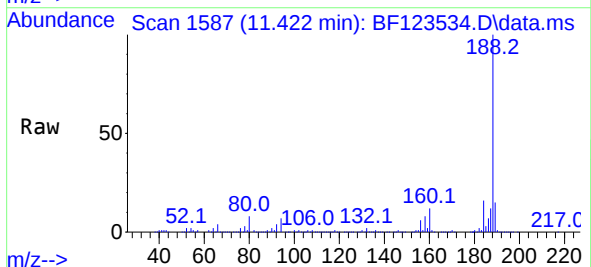
Manual Integrations
APPROVED

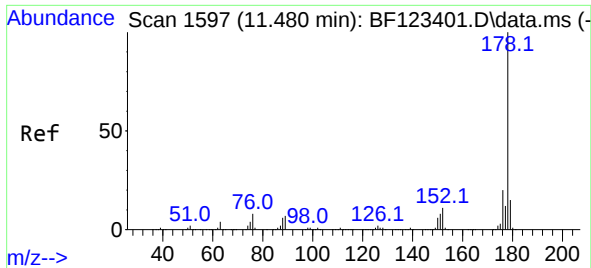
mohammad
3/31/2021 1:36:25 PM



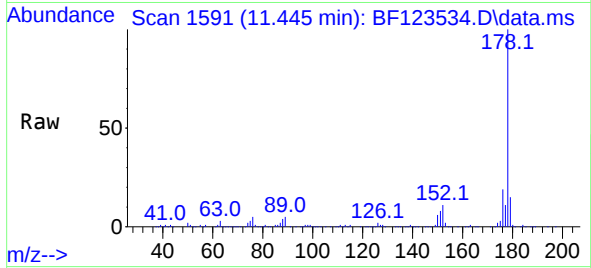
#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.422 min Scan# 1587
Delta R.T. 0.000 min
Lab File: BF123534.D
Acq: 30 Mar 2021 22:00

Tgt Ion:188 Resp: 367467
Ion Ratio Lower Upper
188 100
94 6.6 7.4 11.2#
80 7.8 8.2 12.4#

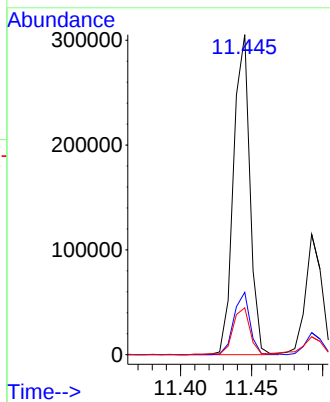
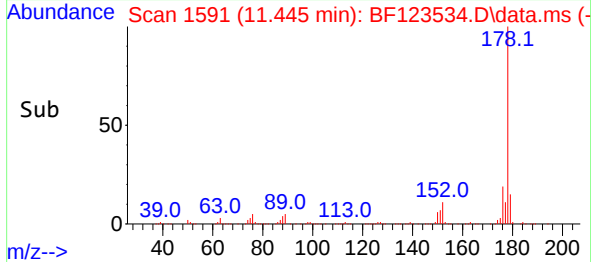




#71
Phenanthrene
Concen: 12.12 ng
RT: 11.445 min Scan# 1591
Delta R.T. -0.006 min
Lab File: BF123534.D
Acq: 30 Mar 2021 22:00



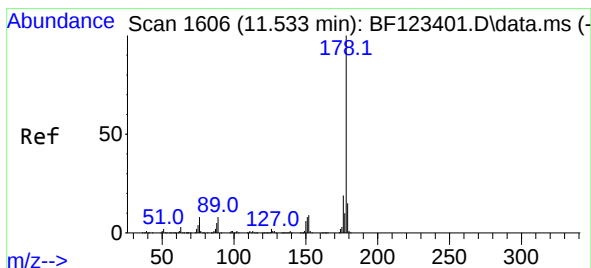
Tgt Ion:178 Resp: 246227
Ion Ratio Lower Upper
178 100
176 19.5 16.2 24.2
179 14.7 12.7 19.1



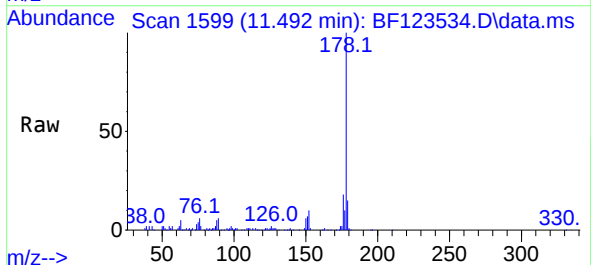
Instrument :
BNA_F
ClientSampleId :
MK-3-29-B1

Manual Integrations
APPROVED

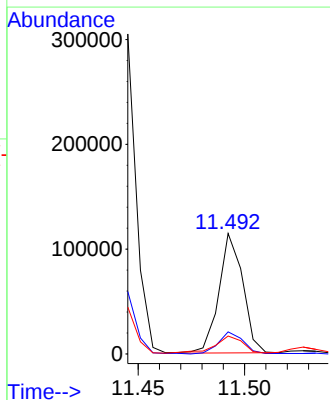
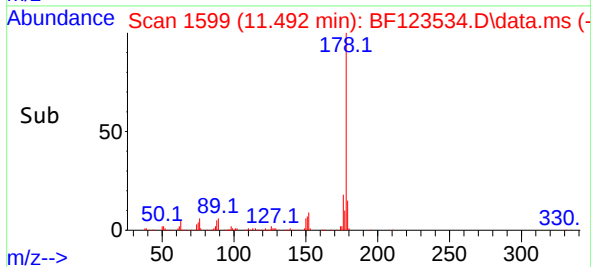
mohammad
3/31/2021 1:36:25 PM

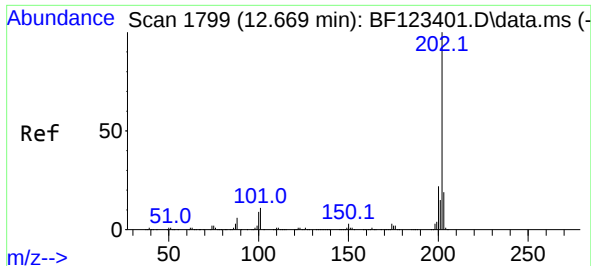


#72
Anthracene
Concen: 4.35 ng
RT: 11.492 min Scan# 1599
Delta R.T. -0.012 min
Lab File: BF123534.D
Acq: 30 Mar 2021 22:00

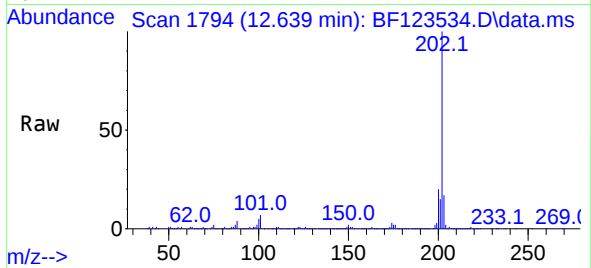


Tgt Ion:178 Resp: 88970
Ion Ratio Lower Upper
178 100
176 18.3 15.6 23.4
179 14.9 12.8 19.2

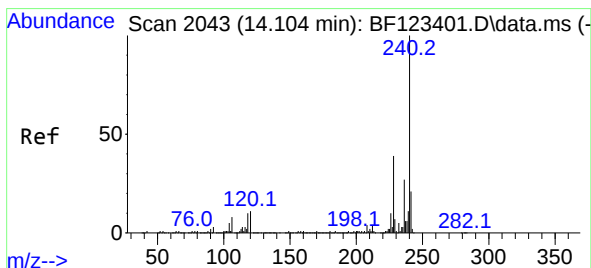
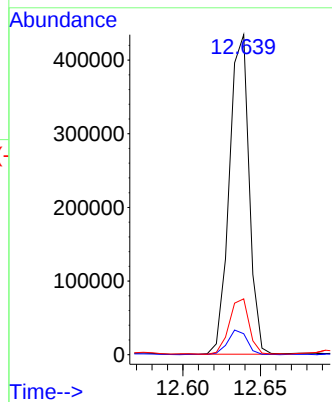
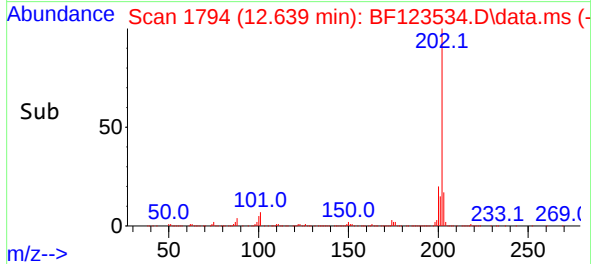




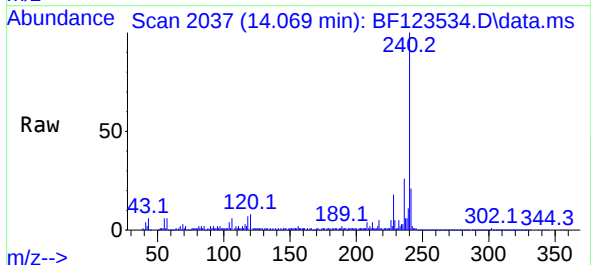
#75
Fluoranthene
Concen: 17.53 ng
RT: 12.639 min Scan# 1794
Delta R.T. 0.000 min
Lab File: BF123534.D
Acq: 30 Mar 2021 22:00



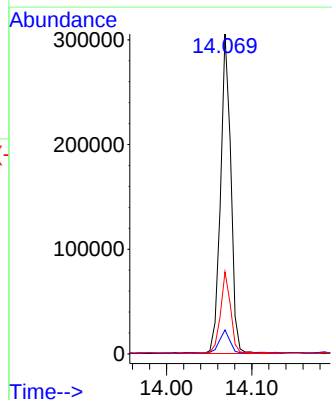
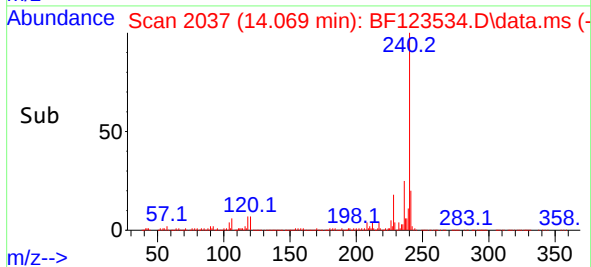
Tgt Ion:202 Resp: 385536
Ion Ratio Lower Upper
202 100
101 6.5 0.0 32.2
203 17.5 0.0 38.1



#76
Chrysene-d12
Concen: 20.00 ng
RT: 14.069 min Scan# 2037
Delta R.T. -0.006 min
Lab File: BF123534.D
Acq: 30 Mar 2021 22:00



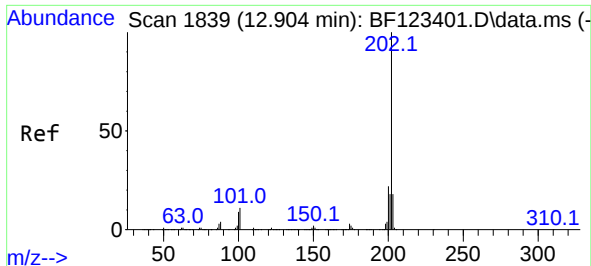
Tgt Ion:240 Resp: 256354
Ion Ratio Lower Upper
240 100
120 7.5 8.6 12.8#
236 25.7 20.3 30.5



Instrument :
BNA_F
ClientSampleId :
MK-3-29-B1

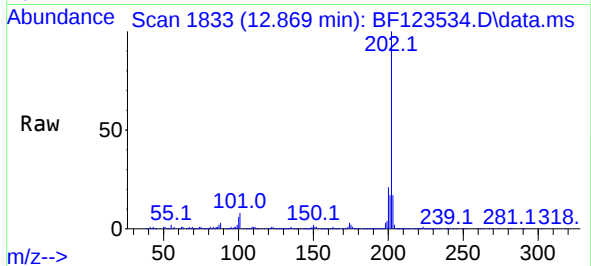
Manual Integrations
APPROVED

mohammad
3/31/2021 1:36:25 PM



#78
Pyrene
Concen: 16.14 ng
RT: 12.869 min Scan# 1833
Delta R.T. -0.006 min
Lab File: BF123534.D
Acq: 30 Mar 2021 22:00

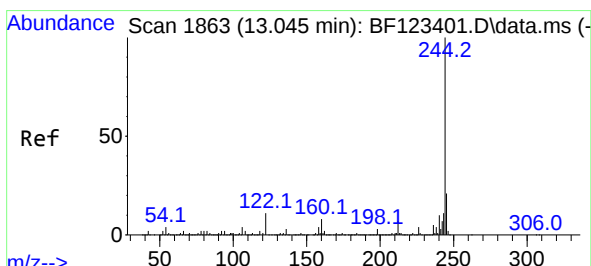
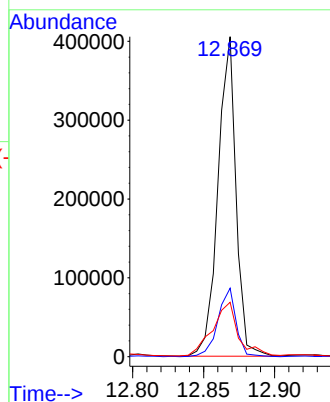
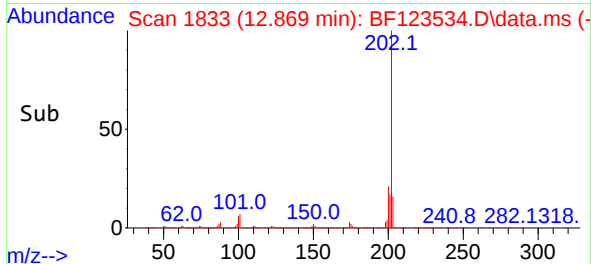
Instrument :
BNA_F
ClientSampleId :
MK-3-29-B1



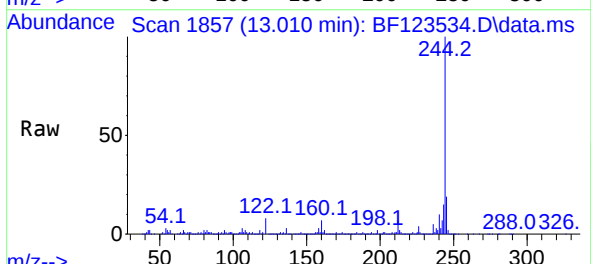
Tgt Ion:202 Resp: 356833
Ion Ratio Lower Upper
202 100
200 21.4 17.6 26.4
203 17.0 14.6 21.8

Manual Integrations
APPROVED

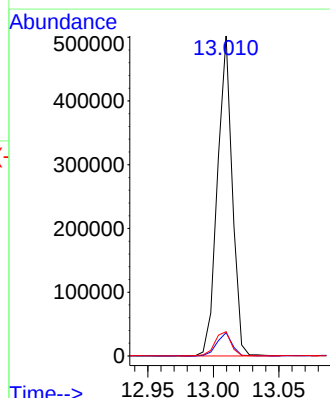
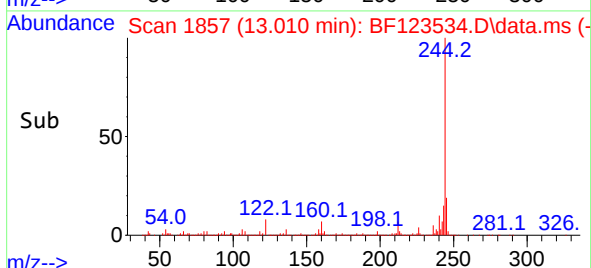
mohammad
3/31/2021 1:36:25 PM

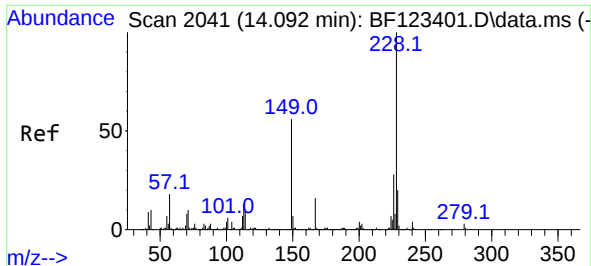


#79
Terphenyl-d14
Concen: 26.02 ng
RT: 13.010 min Scan# 1857
Delta R.T. -0.006 min
Lab File: BF123534.D
Acq: 30 Mar 2021 22:00



Tgt Ion:244 Resp: 393560
Ion Ratio Lower Upper
244 100
212 7.3 5.7 8.5
122 7.6 8.3 12.5#





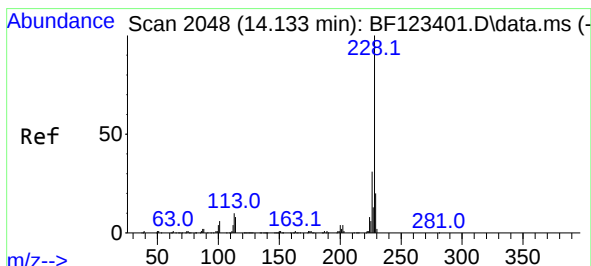
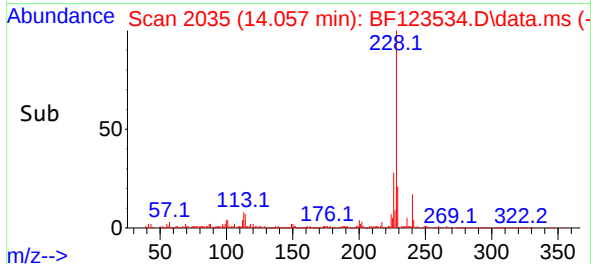
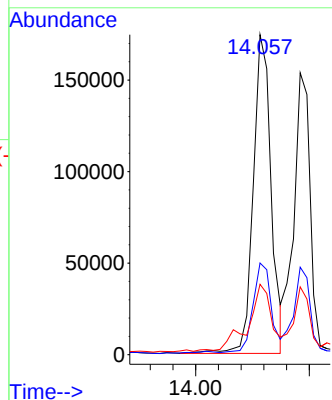
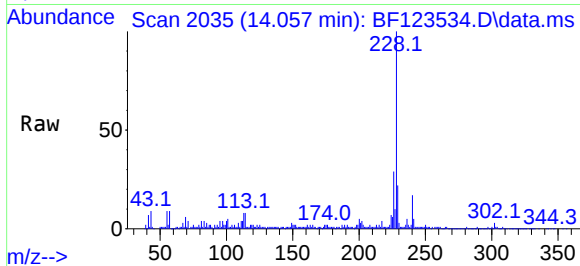
#81
Benzo(a)anthracene
Concen: 11.34 ng
RT: 14.057 min Scan# 2035
Delta R.T. -0.006 min
Lab File: BF123534.D
Acq: 30 Mar 2021 22:00

Tgt Ion:228 Resp: 190237
Ion Ratio Lower Upper
228 100
226 28.6 23.0 34.4
229 22.0 16.6 24.8

Instrument :
BNA_F
ClientSampled :
MK-3-29-B1

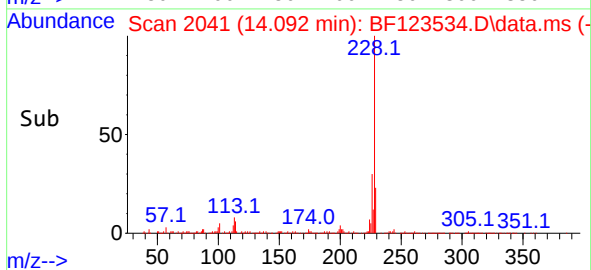
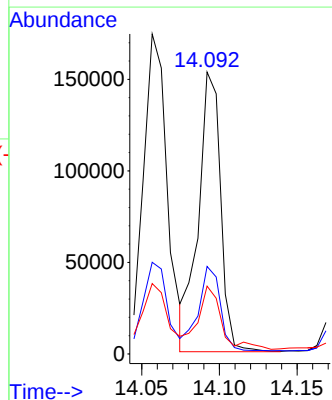
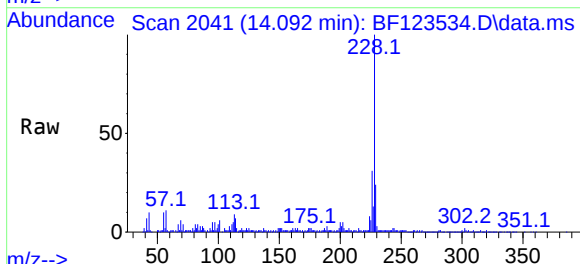
Manual Integrations
APPROVED

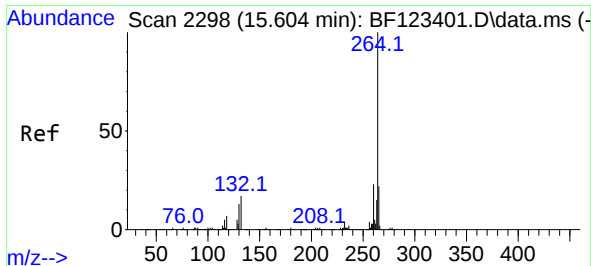
mohammad
3/31/2021 1:36:25 PM



#83
Chrysene
Concen: 8.82 ng m
RT: 14.092 min Scan# 2041
Delta R.T. -0.012 min
Lab File: BF123534.D
Acq: 30 Mar 2021 22:00

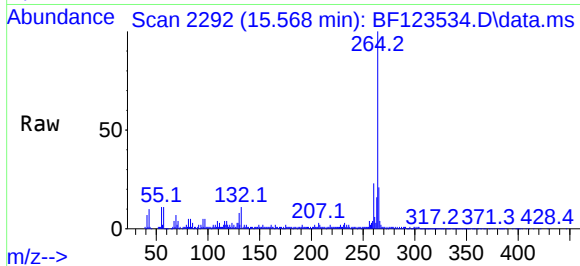
Tgt Ion:228 Resp: 152762
Ion Ratio Lower Upper
228 100
226 31.0 24.6 36.8
229 24.0 15.8 23.6#





#86
Perylene-d12
Concen: 20.00 ng
RT: 15.568 min Scan# 2292
Delta R.T. 0.000 min
Lab File: BF123534.D
Acq: 30 Mar 2021 22:00

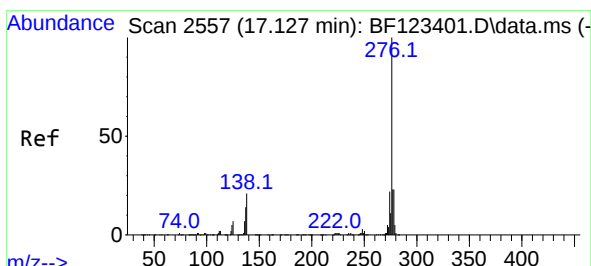
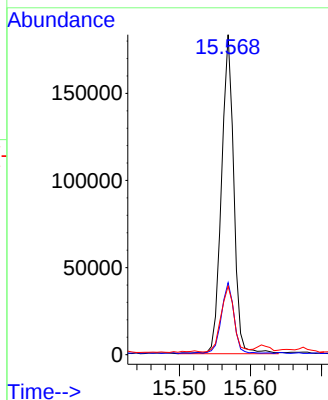
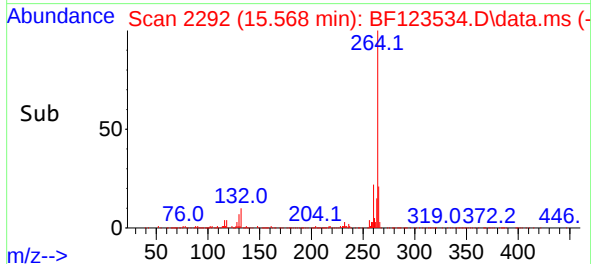
Instrument :
BNA_F
ClientSampled :
MK-3-29-B1



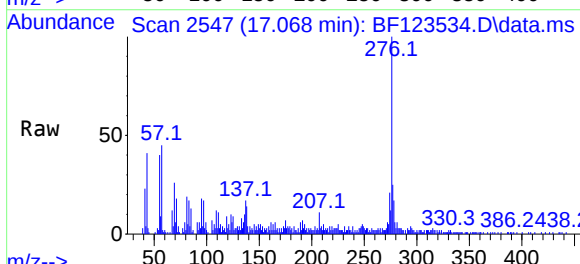
Tgt Ion:264 Resp: 219420
Ion Ratio Lower Upper
264 100
260 22.5 18.6 28.0
265 21.4 17.0 25.6

Manual Integrations
APPROVED

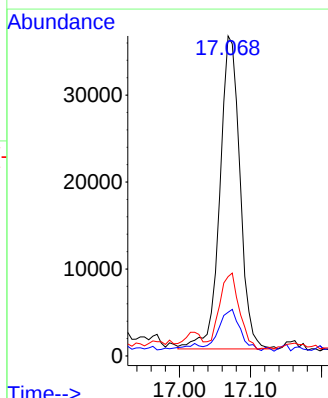
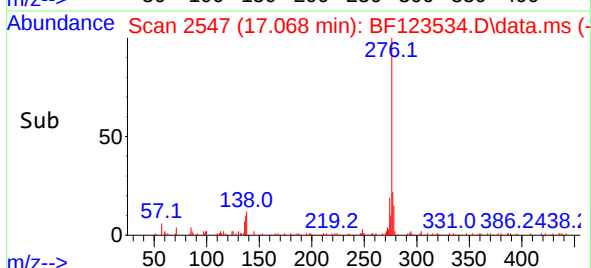
mohammad
3/31/2021 1:36:25 PM

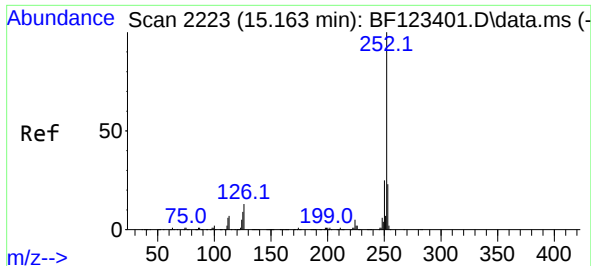


#87
Indeno(1,2,3-cd)pyrene
Concen: 5.19 ng
RT: 17.068 min Scan# 2547
Delta R.T. -0.006 min
Lab File: BF123534.D
Acq: 30 Mar 2021 22:00

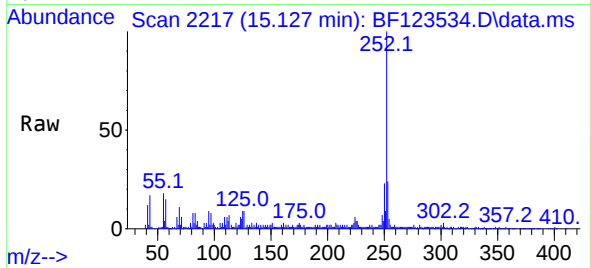


Tgt Ion:276 Resp: 70731
Ion Ratio Lower Upper
276 100
138 13.7 18.7 28.1#
277 23.9 20.2 30.4

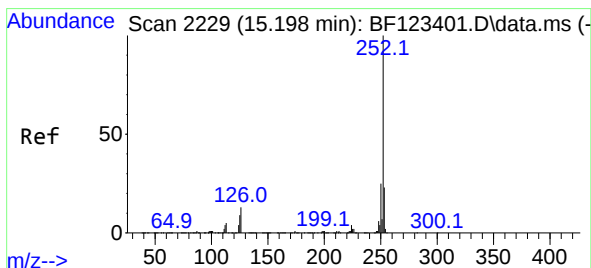
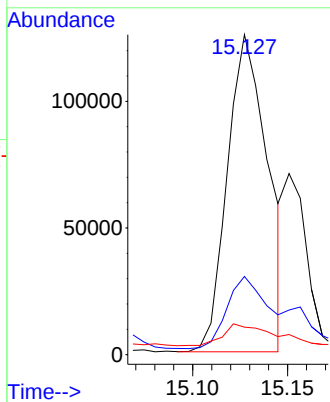
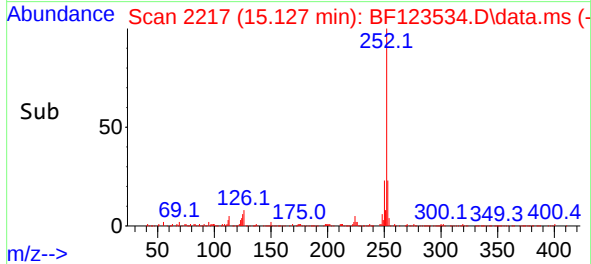




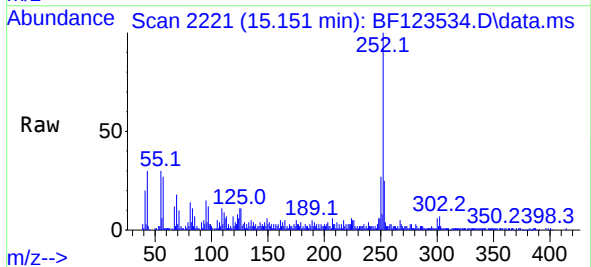
#88
Benzo(b)fluoranthene
Concen: 12.24 ng m
RT: 15.127 min Scan# 2217
Delta R.T. 0.000 min
Lab File: BF123534.D
Acq: 30 Mar 2021 22:00



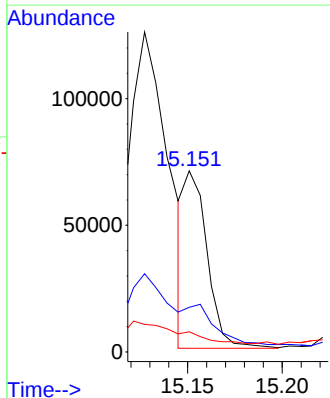
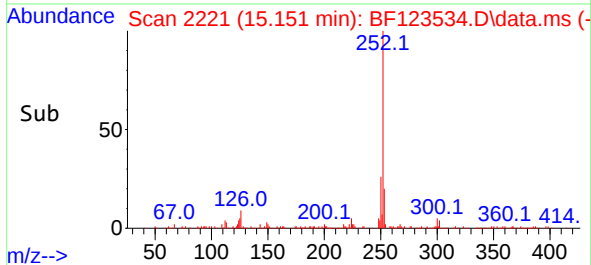
Tgt Ion:252 Resp: 185359
Ion Ratio Lower Upper
252 100
253 24.5 18.3 27.5
125 8.6 8.1 12.1



#89
Benzo(k)fluoranthene
Concen: 4.09 ng m
RT: 15.151 min Scan# 2221
Delta R.T. -0.012 min
Lab File: BF123534.D
Acq: 30 Mar 2021 22:00



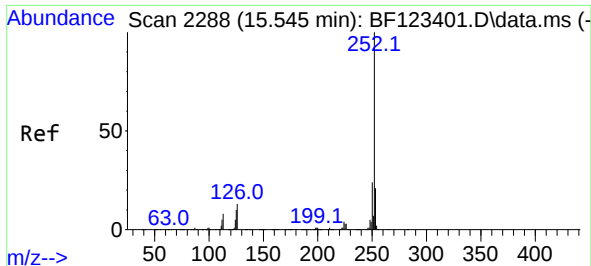
Tgt Ion:252 Resp: 58579
Ion Ratio Lower Upper
252 100
253 24.7 17.8 26.8
125 11.1 8.4 12.6



Instrument :
BNA_F
ClientSampled :
MK-3-29-B1

Manual Integrations
APPROVED

mohammad
3/31/2021 1:36:25 PM



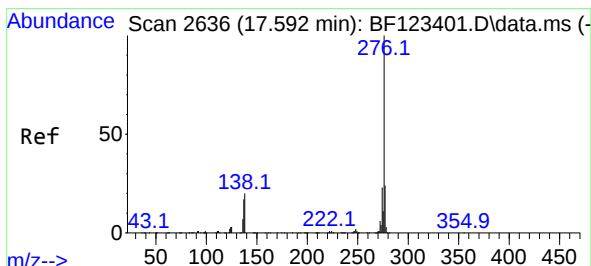
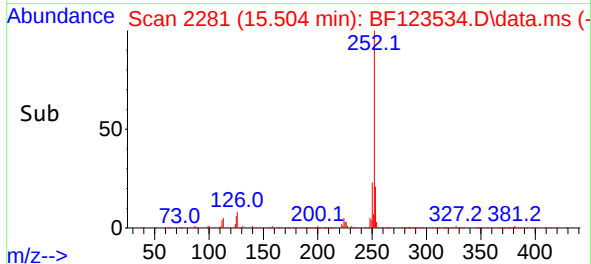
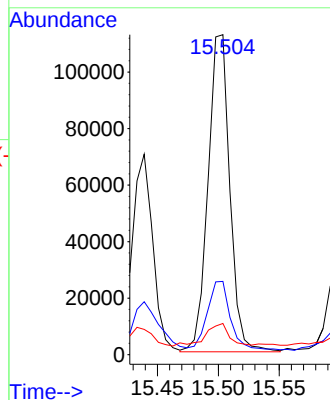
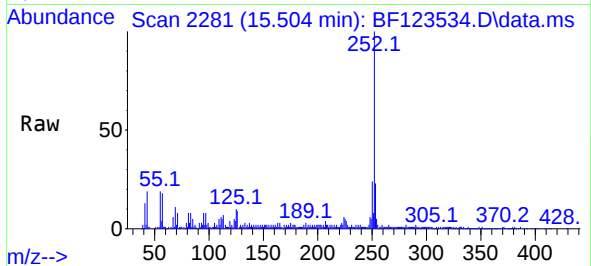
#90
Benzo(a)pyrene
Concen: 10.72 ng
RT: 15.504 min Scan# 2281
Delta R.T. 0.000 min
Lab File: BF123534.D
Acq: 30 Mar 2021 22:00

Tgt Ion:252 Resp: 140091
Ion Ratio Lower Upper
252 100
253 22.9 17.5 26.3
125 9.8 8.6 12.8

Instrument :
BNA_F
ClientSampleId :
MK-3-29-B1

Manual Integrations
APPROVED

mohammad
3/31/2021 1:36:25 PM



#92
Benzo(g,h,i)perylene
Concen: 5.42 ng
RT: 17.527 min Scan# 2625
Delta R.T. -0.012 min
Lab File: BF123534.D
Acq: 30 Mar 2021 22:00

Tgt Ion:276 Resp: 62818
Ion Ratio Lower Upper
276 100
277 23.5 19.3 28.9
138 17.1 16.6 24.8

