

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF041621\
 Data File : BF123613.D
 Acq On : 17 Apr 2021 2:40
 Operator : JU/CG
 Sample : M2050-01 5X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-7

Manual Integrations
 APPROVED

mohammad
 4/19/2021 11:45:46 AM

Quant Time: Apr 17 03:59:07 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF041521.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 16 10:31:33 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.869	152	290247	20.00	ng	0.00
21) Naphthalene-d8	8.157	136	1051646	20.00	ng	0.00
39) Acenaphthene-d10	9.916	164	453547	20.00	ng	0.00
64) Phenanthrene-d10	11.410	188	650733	20.00	ng	0.00
76) Chrysene-d12	14.057	240	466036	20.00	ng	# 0.00
86) Perylene-d12	15.551	264	358691	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.492	112	289505	16.12	ng	0.01
7) Phenol-d6	6.504	99	374478	15.05	ng	0.00
23) Nitrobenzene-d5	7.428	82	221642	9.69	ng	0.00
42) 2,4,6-Tribromophenol	10.704	330	52777	10.28	ng	0.00
45) 2-Fluorobiphenyl	9.233	172	382693	12.58	ng	0.00
79) Terphenyl-d14	12.998	244	220680	9.20	ng	0.00
Target Compounds						
						Qvalue
49) Acenaphthylene	9.774	152	206665	4.73	ng	96
71) Phenanthrene	11.433	178	225017	6.63	ng	97
72) Anthracene	11.480	178	122031	3.60	ng	99
75) Fluoranthene	12.627	202	469471	12.58	ng	98
78) Pyrene	12.857	202	518990	15.26	ng	100
81) Benzo(a)anthracene	14.051	228	279820m	9.80	ng	
83) Chrysene	14.080	228	278789	9.72	ng	98
87) Indeno(1,2,3-cd)pyrene	17.050	276	173387	9.06	ng	98
88) Benzo(b)fluoranthene	15.115	252	359353m	14.19	ng	
89) Benzo(k)fluoranthene	15.139	252	98854m	2.87	ng	
90) Benzo(a)pyrene	15.486	252	279137	13.86	ng	# 97
91) Dibenzo(a,h)anthracene	17.056	278	51030	3.15	ng	# 83
92) Benzo(g,h,i)perylene	17.497	276	188239	14.25	ng	95

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

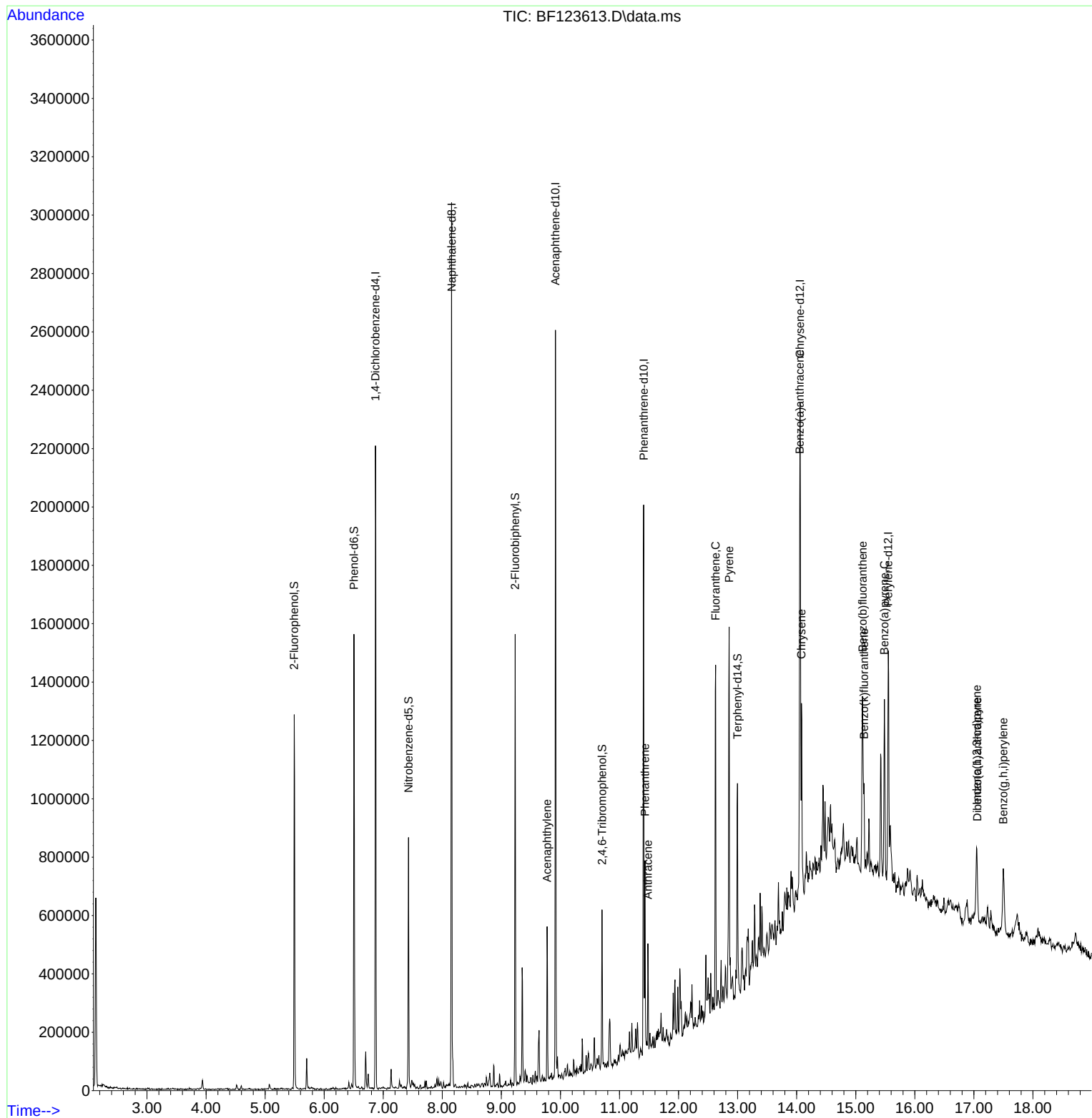
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF041621\
Data File : BF123613.D
Acq On : 17 Apr 2021 2:40
Operator : JU/CG
Sample : M2050-01 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

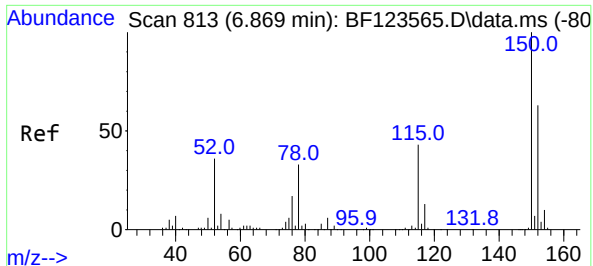
Instrument :
BNA_F
ClientSampled :
TP-7

Manual Integrations
APPROVED

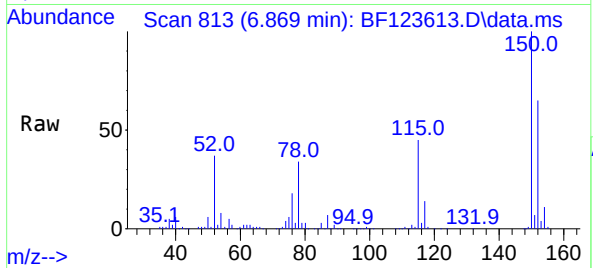
mohammad
4/19/2021 11:45:46 AM

Quant Time: Apr 17 03:59:07 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF041521.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Apr 16 10:31:33 2021
Response via : Initial Calibration

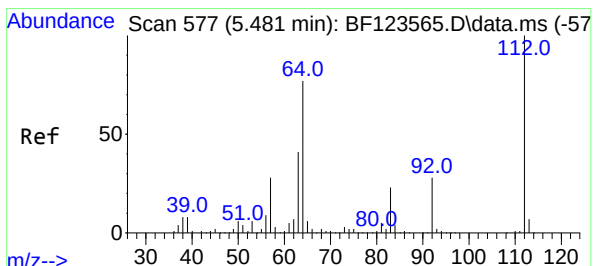
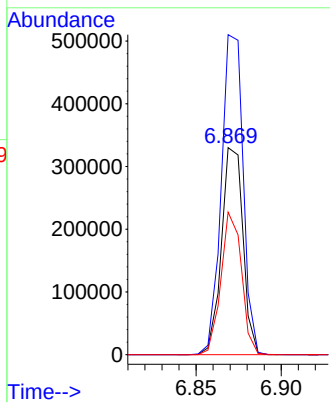
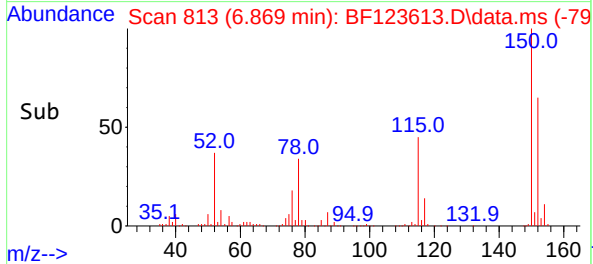




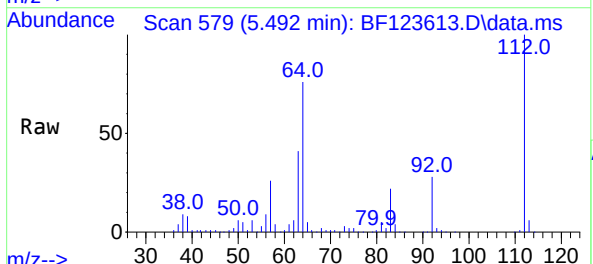
#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.869 min Scan# 813
Delta R.T. -0.000 min
Lab File: BF123613.D
Acq: 17 Apr 2021 2:40



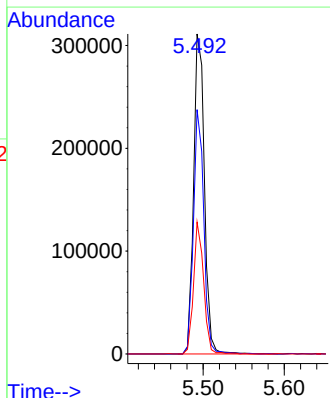
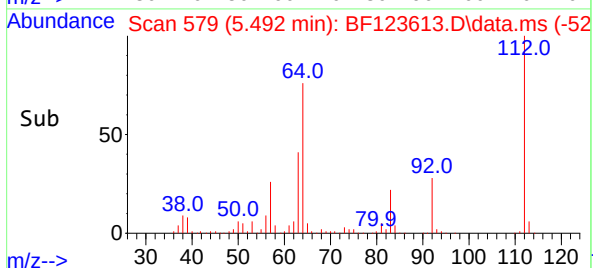
Tgt Ion:152 Resp: 290247
Ion Ratio Lower Upper
152 100
150 154.5 127.0 190.6
115 68.8 54.3 81.5



#5
2-Fluorophenol
Concen: 16.12 ng
RT: 5.492 min Scan# 579
Delta R.T. 0.012 min
Lab File: BF123613.D
Acq: 17 Apr 2021 2:40



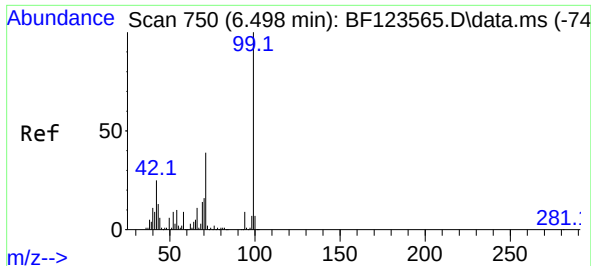
Tgt Ion:112 Resp: 289505
Ion Ratio Lower Upper
112 100
64 76.4 61.4 92.0
63 41.2 33.0 49.4



Instrument :
BNA_F
ClientSampleId :
TP-7

Manual Integrations
APPROVED

mohammad
4/19/2021 11:45:46 AM



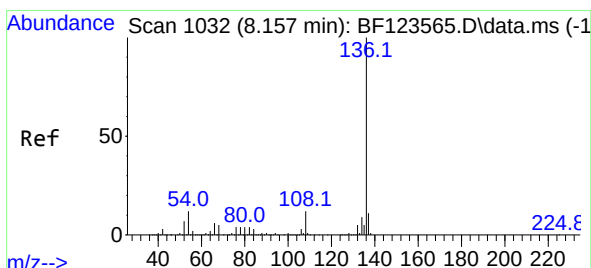
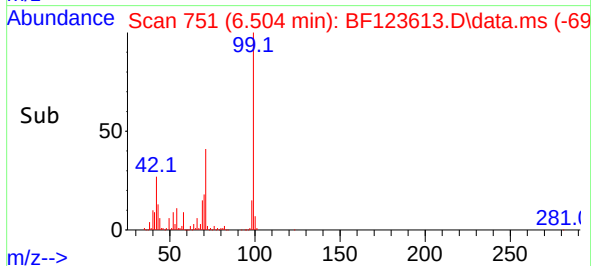
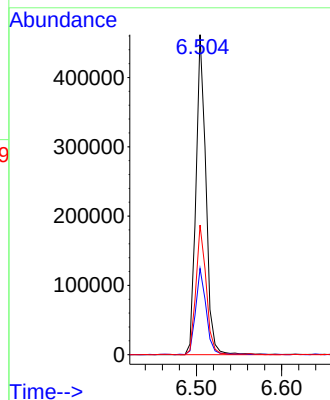
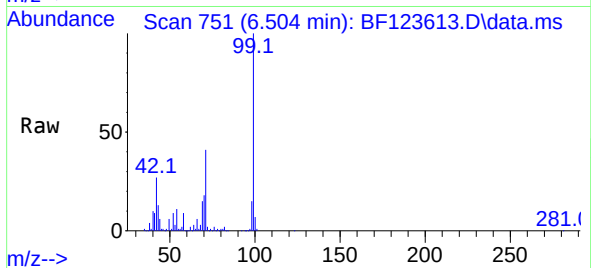
#7
Phenol-d6
Concen: 15.05 ng
RT: 6.504 min Scan# 751
Delta R.T. 0.006 min
Lab File: BF123613.D
Acq: 17 Apr 2021 2:40

Tgt Ion: 99 Resp: 374478
Ion Ratio Lower Upper
99 100
42 26.9 19.8 29.8
71 40.5 31.1 46.7

Instrument :
BNA_F
ClientSampled :
TP-7

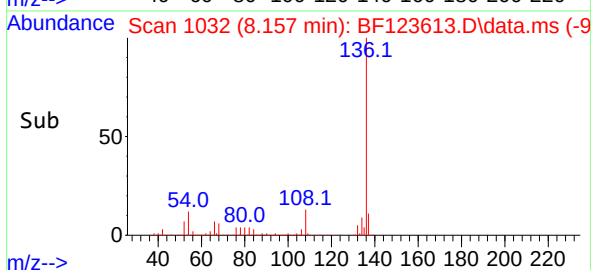
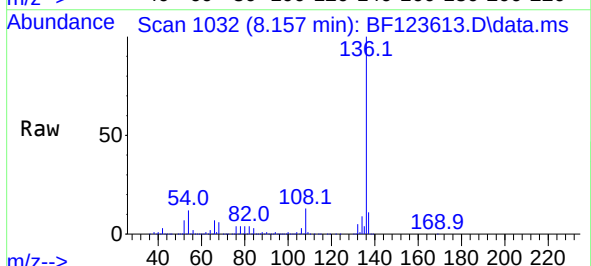
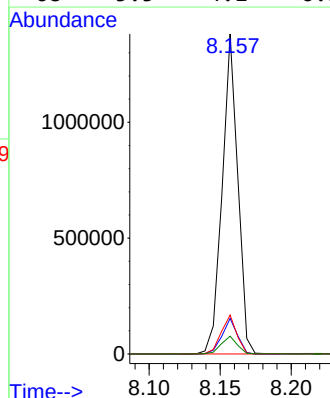
Manual Integrations
APPROVED

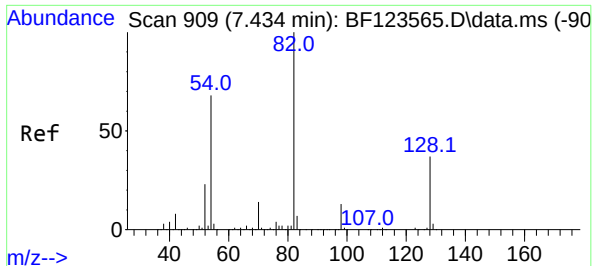
mohammad
4/19/2021 11:45:46 AM



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.157 min Scan# 1032
Delta R.T. -0.000 min
Lab File: BF123613.D
Acq: 17 Apr 2021 2:40

Tgt Ion: 136 Resp: 1051646
Ion Ratio Lower Upper
136 100
137 11.1 8.7 13.1
54 12.2 9.8 14.6
68 5.5 4.1 6.1





#23

Nitrobenzene-d5

Concen: 9.69 ng

RT: 7.428 min Scan# 908

Delta R.T. -0.006 min

Lab File: BF123613.D

Acq: 17 Apr 2021 2:40

Tgt Ion: 82 Resp: 221642

Ion	Ratio	Lower	Upper
82	100		
128	38.3	29.4	44.2
54	62.2	54.1	81.1

Instrument :

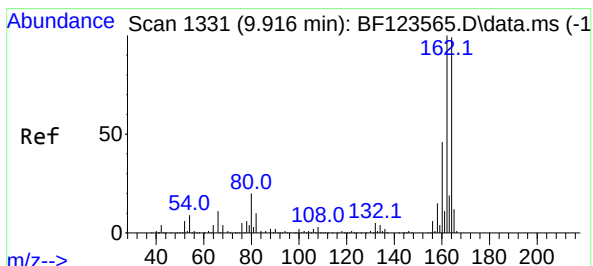
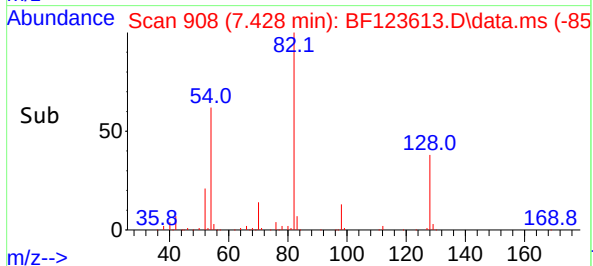
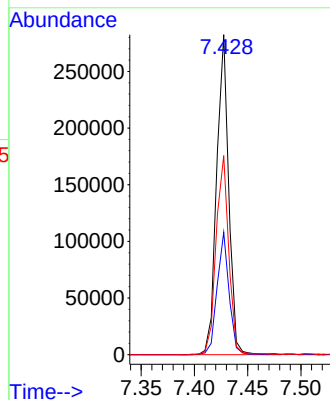
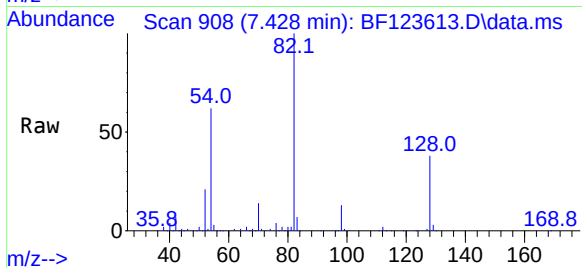
BNA_F

ClientSampleId :

TP-7

Manual Integrations
APPROVED

mohammad
4/19/2021 11:45:46 AM



#39

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.916 min Scan# 1331

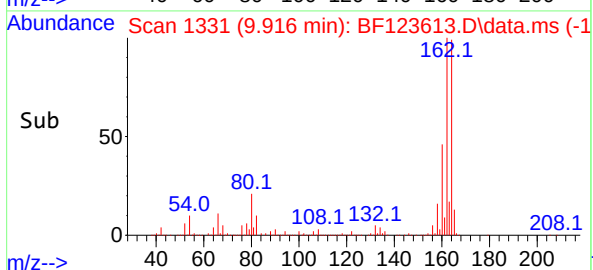
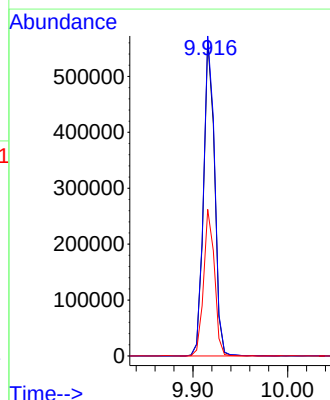
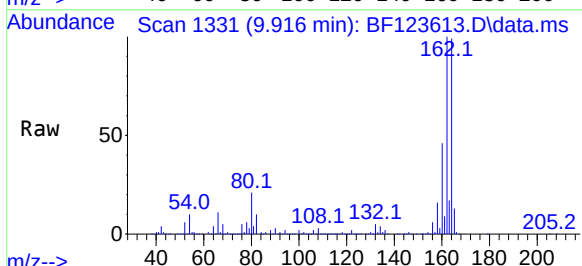
Delta R.T. -0.000 min

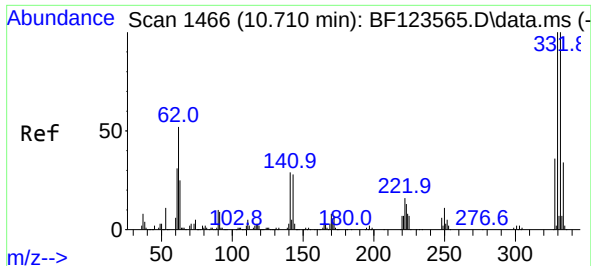
Lab File: BF123613.D

Acq: 17 Apr 2021 2:40

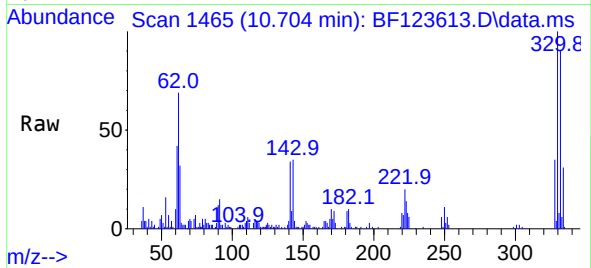
Tgt Ion: 164 Resp: 453547

Ion	Ratio	Lower	Upper
164	100		
162	101.4	80.7	121.1
160	46.4	37.3	55.9

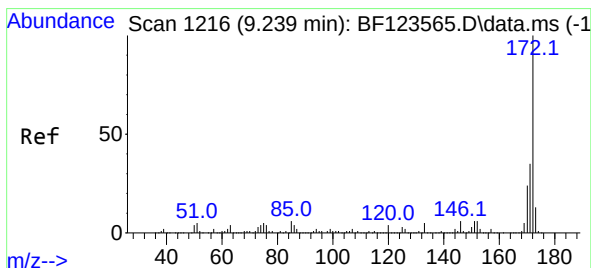
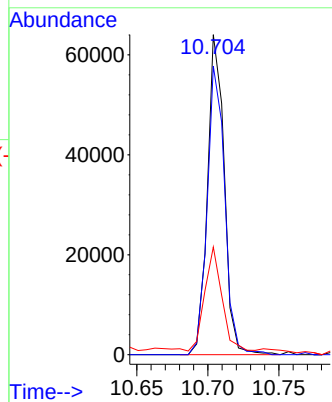
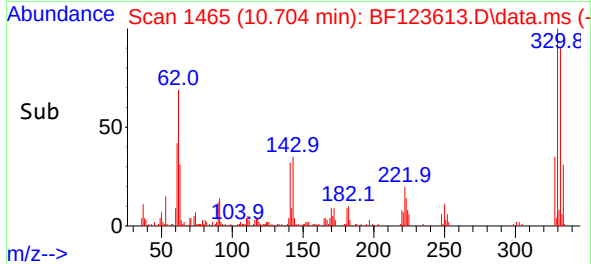




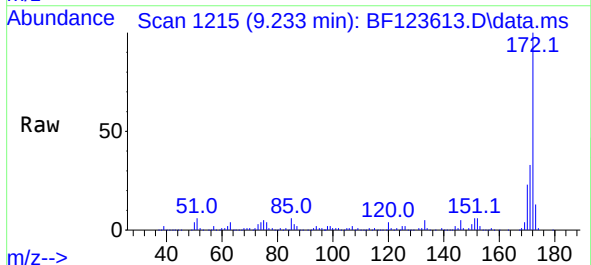
#42
2,4,6-Tribromophenol
Concen: 10.28 ng
RT: 10.704 min Scan# 1465
Delta R.T. -0.006 min
Lab File: BF123613.D
Acq: 17 Apr 2021 2:40



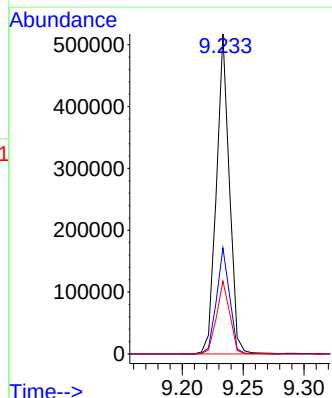
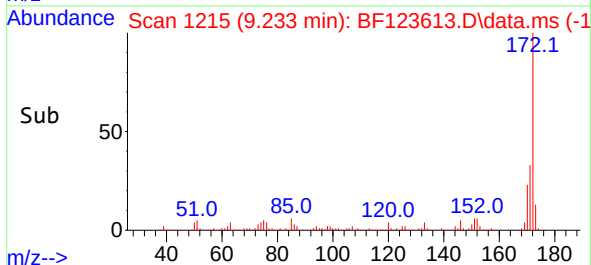
Tgt Ion: 330 Resp: 52777
Ion Ratio Lower Upper
330 100
332 94.4 77.1 115.7
141 33.1 27.9 41.9



#45
2-Fluorobiphenyl
Concen: 12.58 ng
RT: 9.233 min Scan# 1215
Delta R.T. -0.006 min
Lab File: BF123613.D
Acq: 17 Apr 2021 2:40



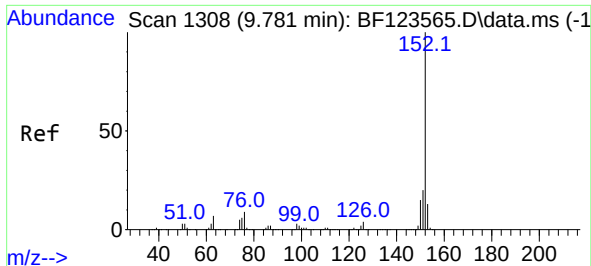
Tgt Ion: 172 Resp: 382693
Ion Ratio Lower Upper
172 100
171 33.1 28.1 42.1
170 22.8 19.2 28.8



Instrument :
BNA_F
ClientSampleId :
TP-7

Manual Integrations
APPROVED

mohammad
4/19/2021 11:45:46 AM



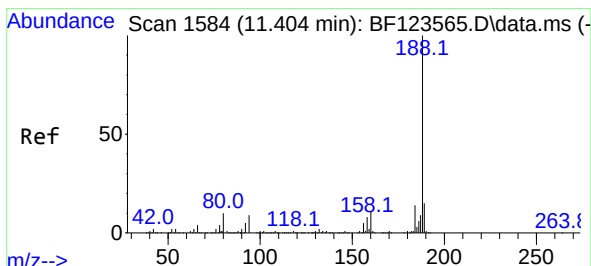
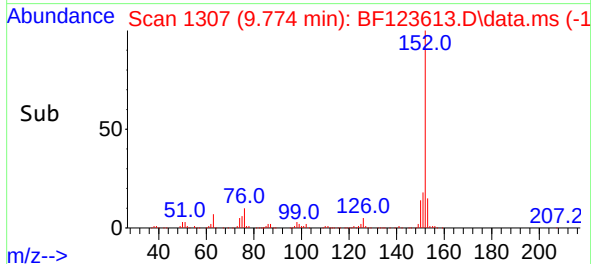
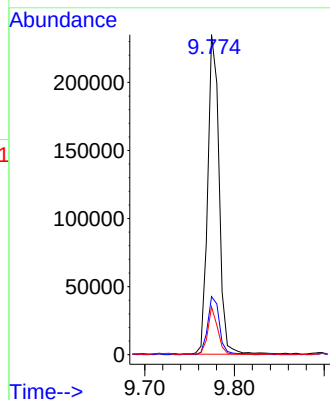
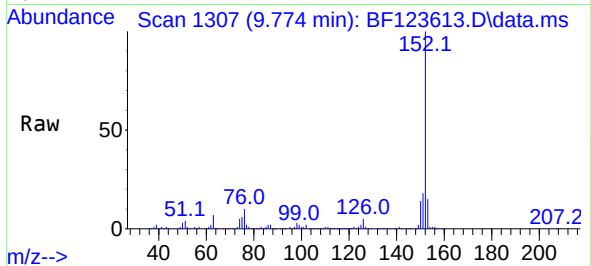
#49
Acenaphthylene
Concen: 4.73 ng
RT: 9.774 min Scan# 1307
Delta R.T. -0.006 min
Lab File: BF123613.D
Acq: 17 Apr 2021 2:40

Tgt Ion:	152	Resp:	206665
Ion Ratio	Lower	Upper	
152	100		
151	18.1	16.0	24.0
153	15.0	10.4	15.6

Instrument :
BNA_F
ClientSampled :
TP-7

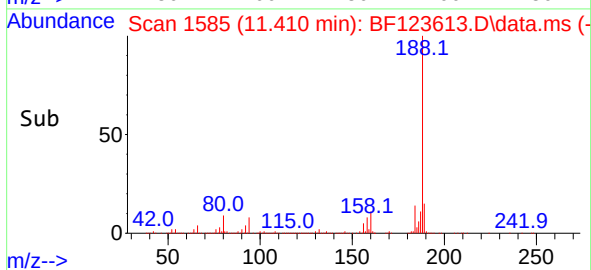
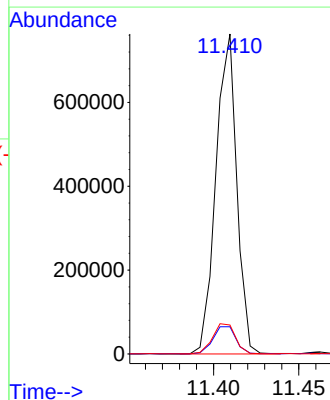
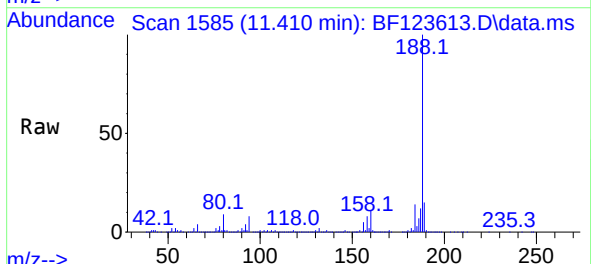
Manual Integrations
APPROVED

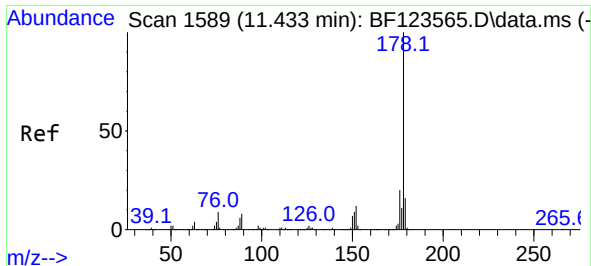
mohammad
4/19/2021 11:45:46 AM



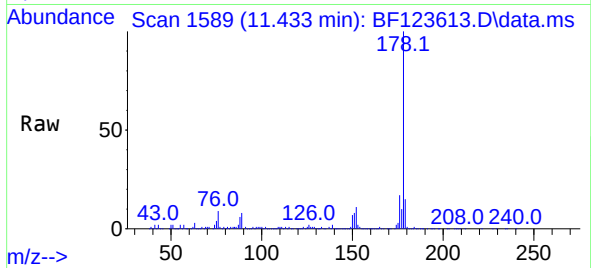
#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.410 min Scan# 1585
Delta R.T. 0.006 min
Lab File: BF123613.D
Acq: 17 Apr 2021 2:40

Tgt Ion:	188	Resp:	650733
Ion Ratio	Lower	Upper	
188	100		
94	8.5	6.9	10.3
80	9.1	8.2	12.2

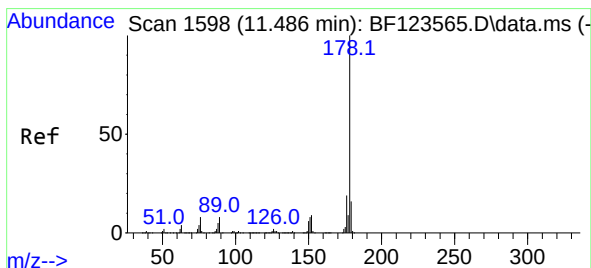
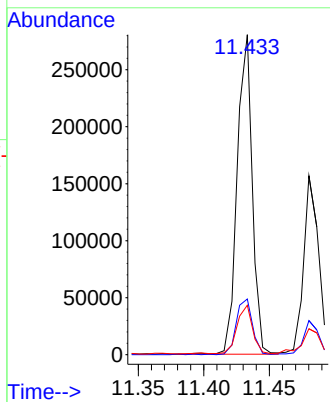
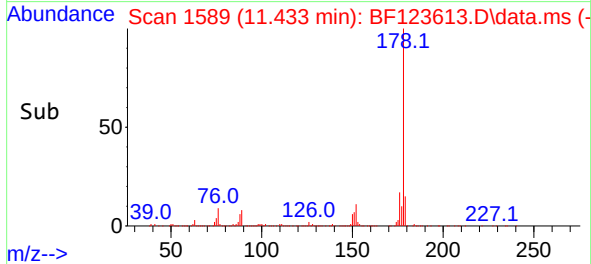




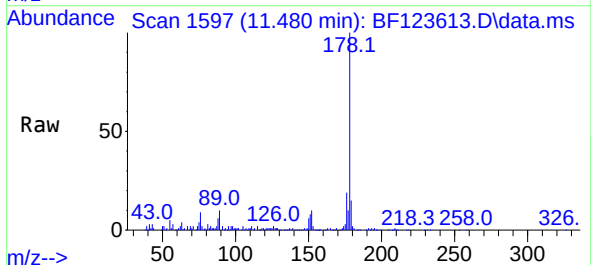
#71
Phenanthrene
Concen: 6.63 ng
RT: 11.433 min Scan# 1589
Delta R.T. -0.000 min
Lab File: BF123613.D
Acq: 17 Apr 2021 2:40



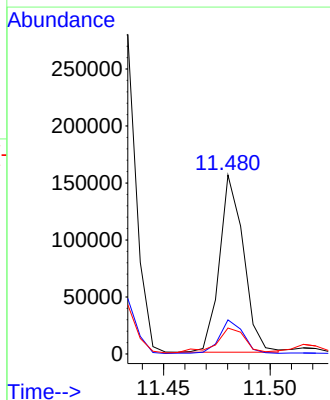
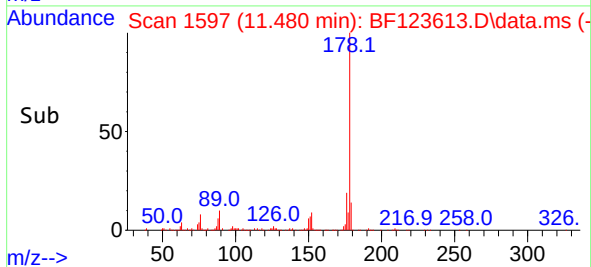
Tgt Ion:178 Resp: 225017
Ion Ratio Lower Upper
178 100
176 17.4 15.6 23.4
179 15.5 12.5 18.7



#72
Anthracene
Concen: 3.60 ng
RT: 11.480 min Scan# 1597
Delta R.T. -0.006 min
Lab File: BF123613.D
Acq: 17 Apr 2021 2:40



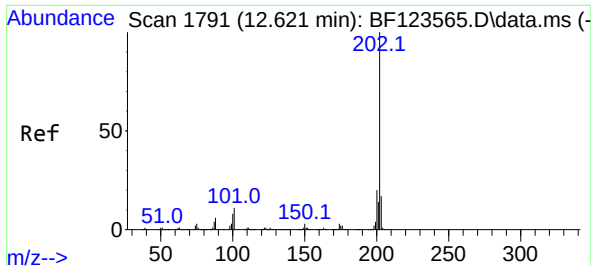
Tgt Ion:178 Resp: 122031
Ion Ratio Lower Upper
178 100
176 19.0 15.4 23.0
179 14.5 12.6 18.8



Instrument :
BNA_F
ClientSampleId :
TP-7

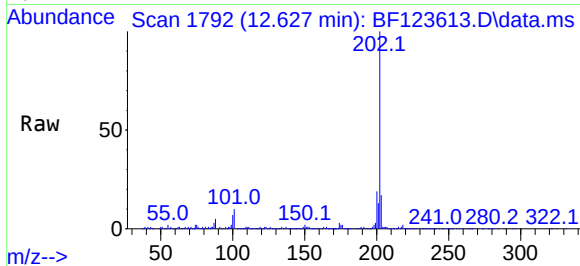
Manual Integrations
APPROVED

mohammad
4/19/2021 11:45:46 AM



#75
Fluoranthene
Concen: 12.58 ng
RT: 12.627 min Scan# 1792
Delta R.T. -0.000 min
Lab File: BF123613.D
Acq: 17 Apr 2021 2:40

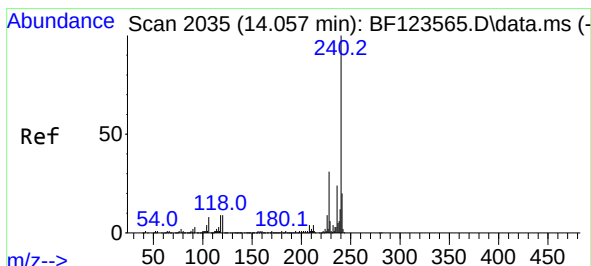
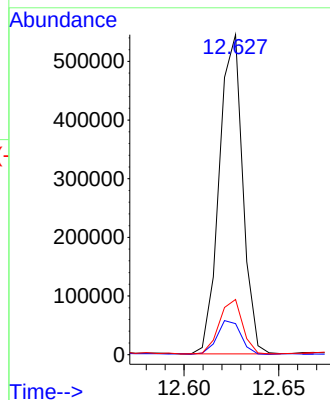
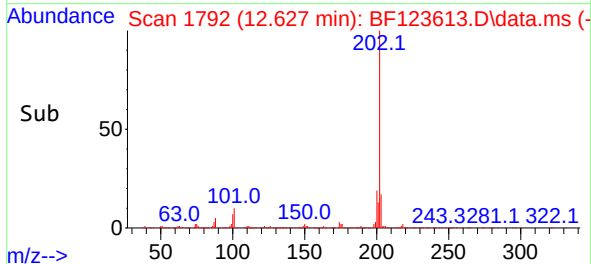
Instrument :
BNA_F
ClientSampleId :
TP-7



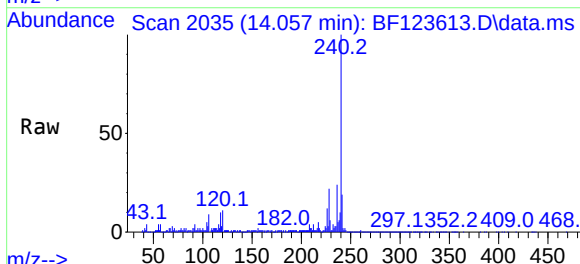
Tgt Ion:202 Resp: 469471
Ion Ratio Lower Upper
202 100
101 9.7 0.0 30.9
203 17.3 0.0 37.5

Manual Integrations
APPROVED

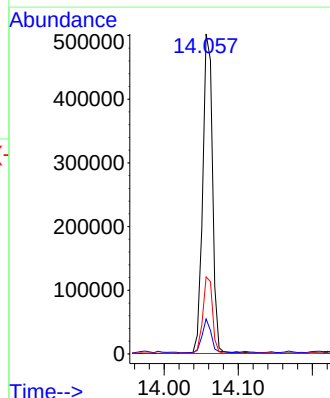
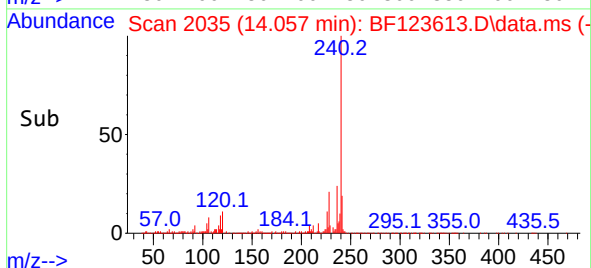
mohammad
4/19/2021 11:45:46 AM

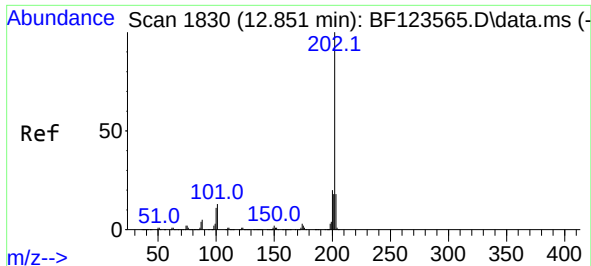


#76
Chrysene-d12
Concen: 20.00 ng
RT: 14.057 min Scan# 2035
Delta R.T. -0.000 min
Lab File: BF123613.D
Acq: 17 Apr 2021 2:40



Tgt Ion:240 Resp: 466036
Ion Ratio Lower Upper
240 100
120 10.9 7.2 10.8#
236 24.1 19.0 28.4





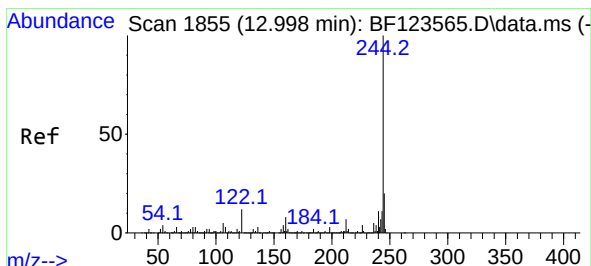
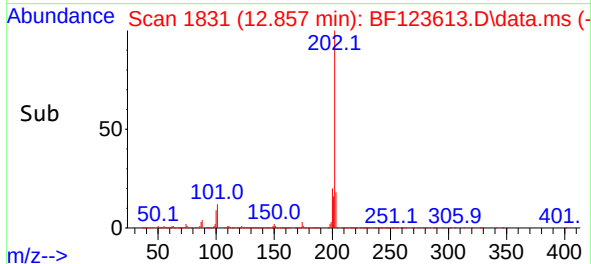
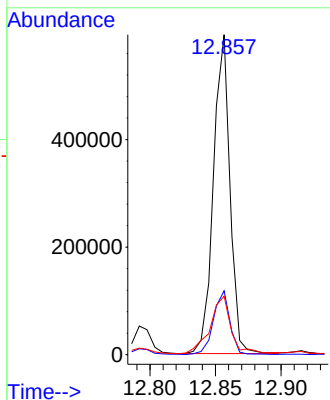
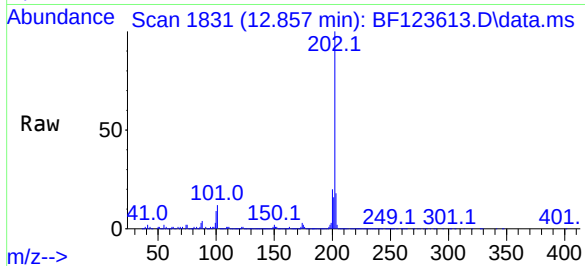
#78
Pyrene
Concen: 15.26 ng
RT: 12.857 min Scan# 1831
Delta R.T. -0.000 min
Lab File: BF123613.D
Acq: 17 Apr 2021 2:40

Tgt Ion:202 Resp: 518990
Ion Ratio Lower Upper
202 100
200 20.0 16.1 24.1
203 18.3 14.8 22.2

Instrument :
BNA_F
ClientSampleId :
TP-7

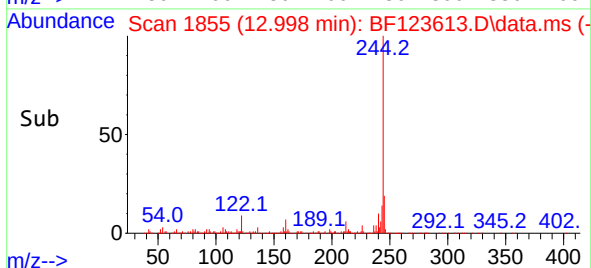
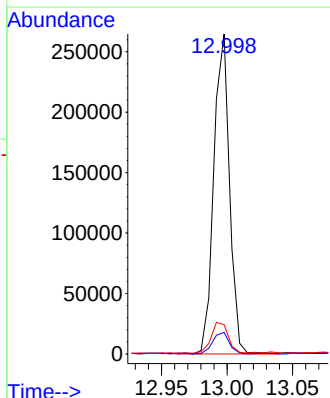
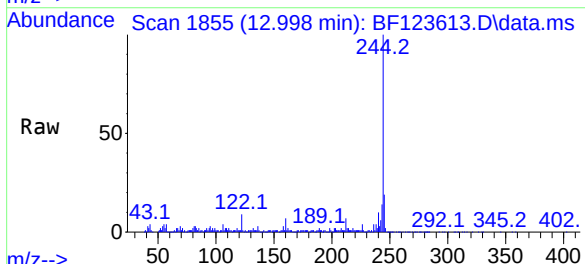
Manual Integrations
APPROVED

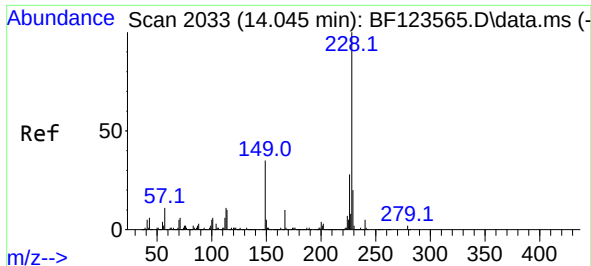
mohammad
4/19/2021 11:45:46 AM



#79
Terphenyl-d14
Concen: 9.20 ng
RT: 12.998 min Scan# 1855
Delta R.T. -0.000 min
Lab File: BF123613.D
Acq: 17 Apr 2021 2:40

Tgt Ion:244 Resp: 220680
Ion Ratio Lower Upper
244 100
212 6.8 5.7 8.5
122 9.2 9.7 14.5#





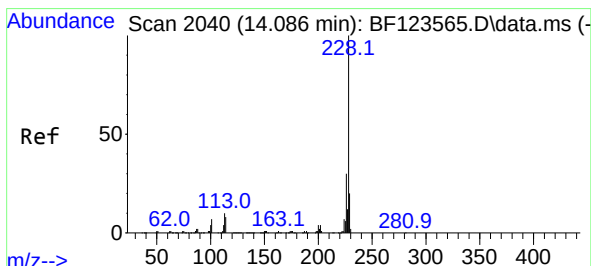
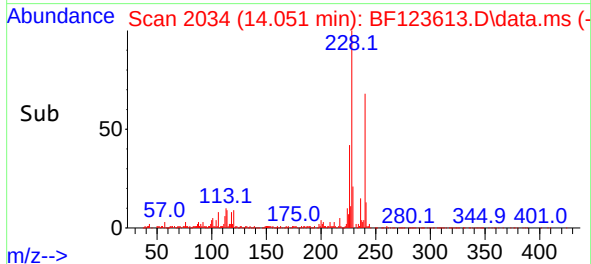
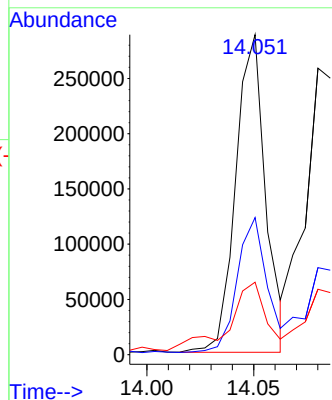
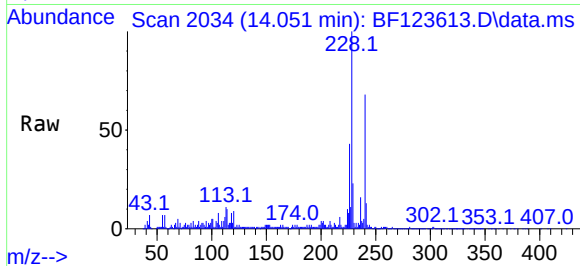
#81
Benzo(a)anthracene
Concen: 9.80 ng m
RT: 14.051 min Scan# 2034
Delta R.T. 0.006 min
Lab File: BF123613.D
Acq: 17 Apr 2021 2:40

Tgt Ion:228 Resp: 279820
Ion Ratio Lower Upper
228 100
226 42.8 22.4 33.6#
229 22.7 16.0 24.0

Instrument :
BNA_F
ClientSampled :
TP-7

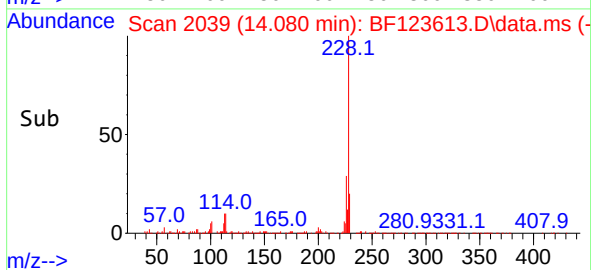
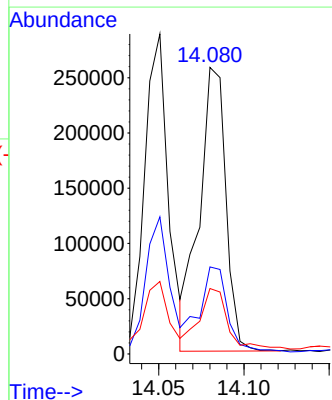
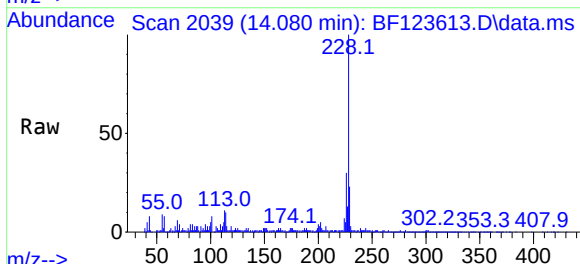
Manual Integrations
APPROVED

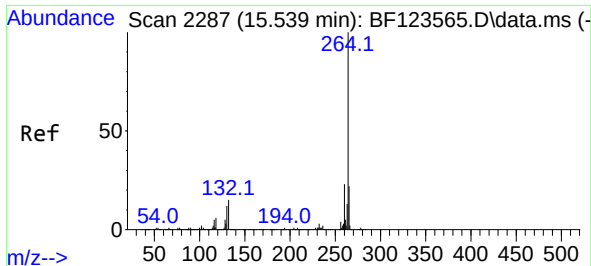
mohammad
4/19/2021 11:45:46 AM



#83
Chrysene
Concen: 9.72 ng
RT: 14.080 min Scan# 2039
Delta R.T. -0.006 min
Lab File: BF123613.D
Acq: 17 Apr 2021 2:40

Tgt Ion:228 Resp: 278789
Ion Ratio Lower Upper
228 100
226 30.4 24.3 36.5
229 22.8 16.2 24.2





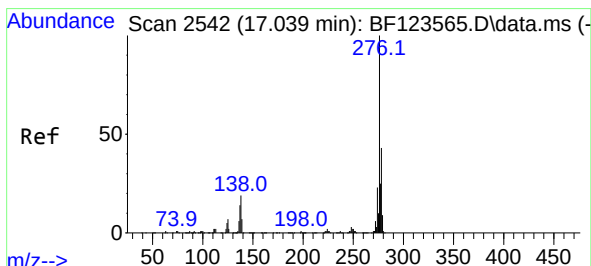
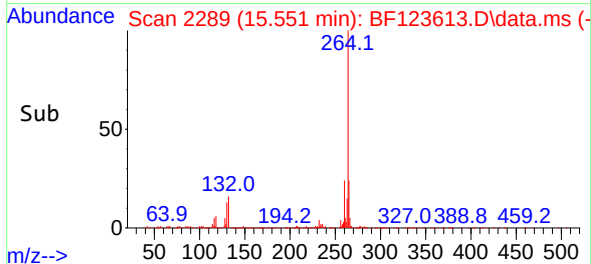
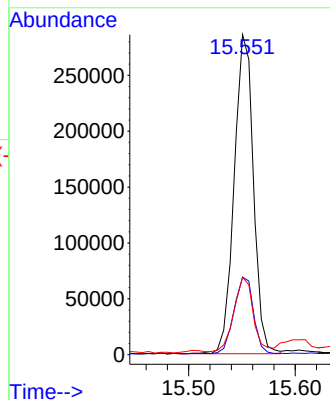
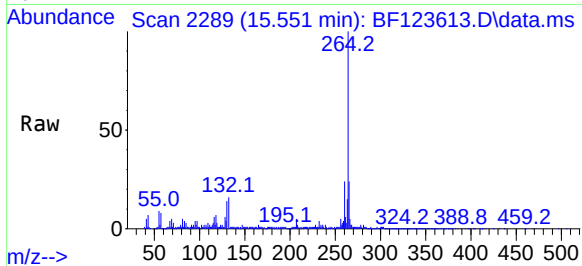
#86
Perylene-d12
Concen: 20.00 ng
RT: 15.551 min Scan# 2289
Delta R.T. 0.012 min
Lab File: BF123613.D
Acq: 17 Apr 2021 2:40

Tgt Ion: 264 Resp: 358691
Ion Ratio Lower Upper
264 100
260 24.3 18.7 28.1
265 24.2 17.8 26.8

Instrument :
BNA_F
ClientSampled :
TP-7

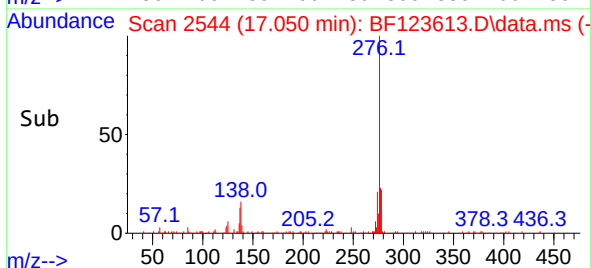
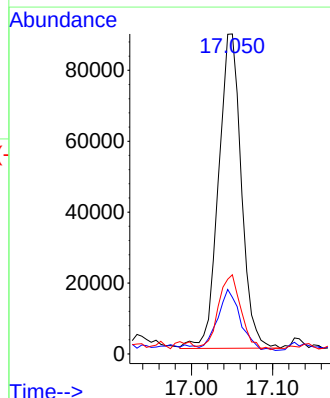
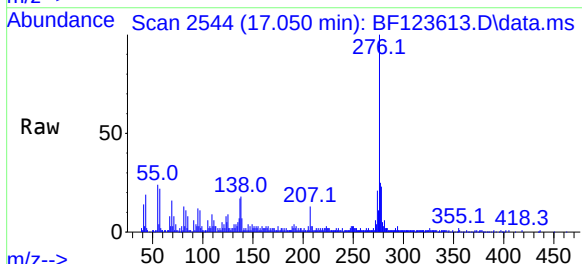
Manual Integrations
APPROVED

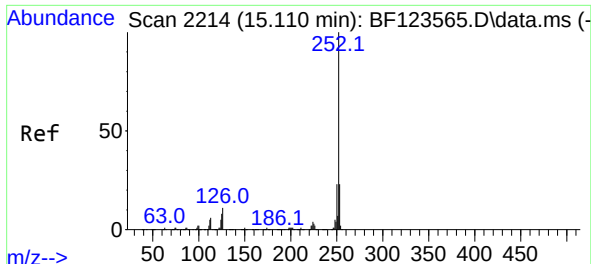
mohammad
4/19/2021 11:45:46 AM



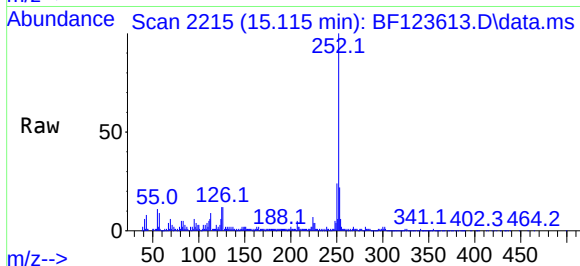
#87
Indeno(1,2,3-cd)pyrene
Concen: 9.06 ng
RT: 17.050 min Scan# 2544
Delta R.T. 0.012 min
Lab File: BF123613.D
Acq: 17 Apr 2021 2:40

Tgt Ion: 276 Resp: 173387
Ion Ratio Lower Upper
276 100
138 19.5 16.2 24.2
277 23.7 20.1 30.1

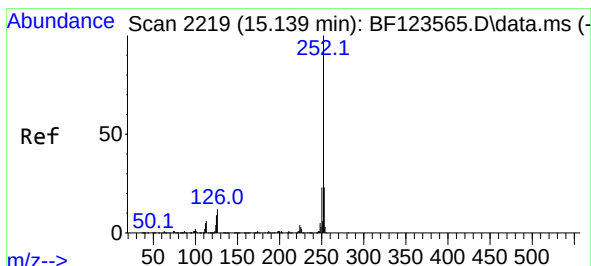
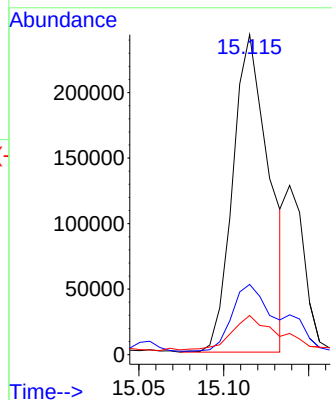
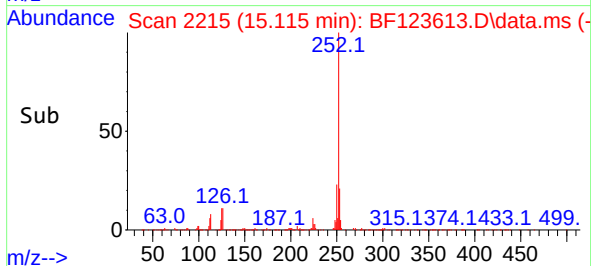




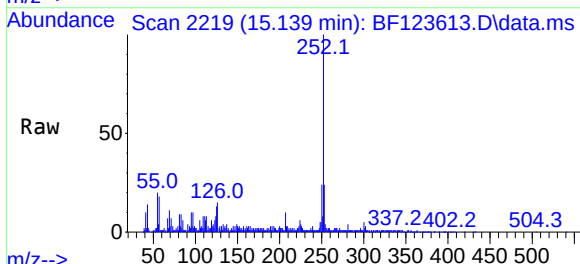
#88
Benzo(b)fluoranthene
Concen: 14.19 ng m
RT: 15.115 min Scan# 2215
Delta R.T. 0.006 min
Lab File: BF123613.D
Acq: 17 Apr 2021 2:40



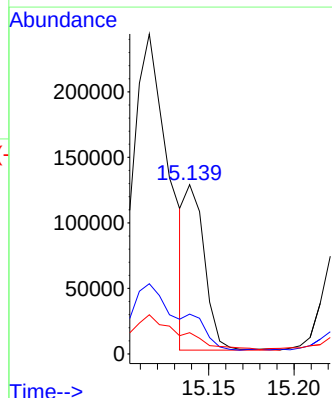
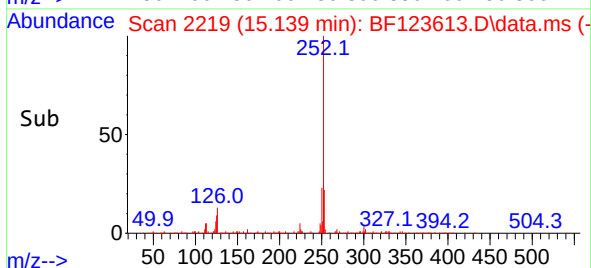
Tgt Ion:252 Resp: 359353
Ion Ratio Lower Upper
252 100
253 21.9 18.1 27.1
125 12.3 6.2 9.4#



#89
Benzo(k)fluoranthene
Concen: 2.87 ng m
RT: 15.139 min Scan# 2219
Delta R.T. -0.000 min
Lab File: BF123613.D
Acq: 17 Apr 2021 2:40



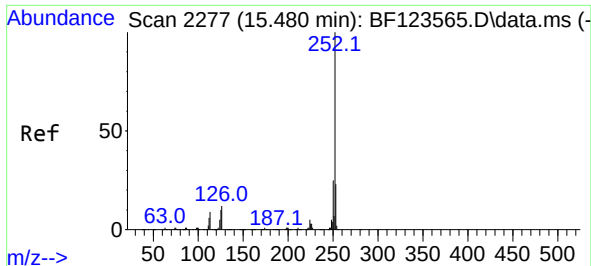
Tgt Ion:252 Resp: 98854
Ion Ratio Lower Upper
252 100
253 23.5 17.9 26.9
125 12.6 7.0 10.6#



Instrument :
BNA_F
ClientSampleId :
TP-7

Manual Integrations
APPROVED

mohammad
4/19/2021 11:45:46 AM



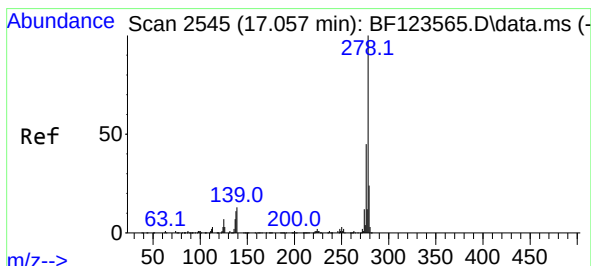
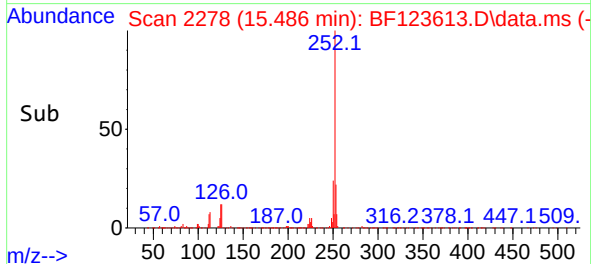
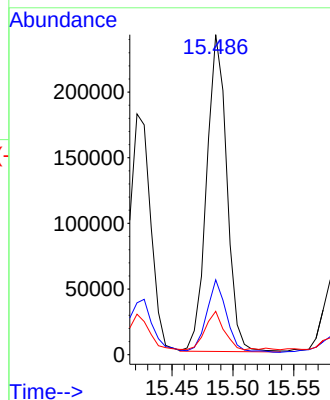
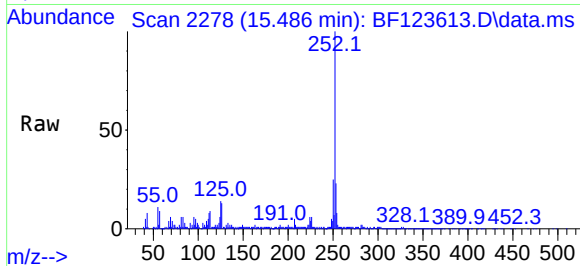
#90
Benzo(a)pyrene
Concen: 13.86 ng
RT: 15.486 min Scan# 2278
Delta R.T. 0.006 min
Lab File: BF123613.D
Acq: 17 Apr 2021 2:40

Tgt Ion: 252 Resp: 279137
Ion Ratio Lower Upper
252 100
253 23.4 18.4 27.6
125 13.5 8.0 12.0#

Instrument :
BNA_F
ClientSampled :
TP-7

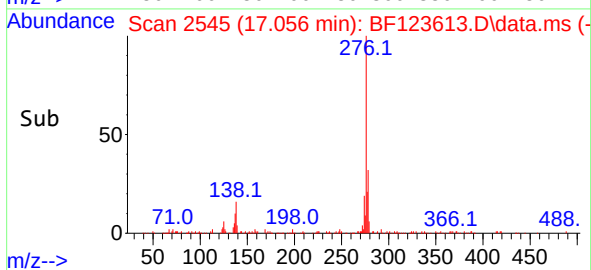
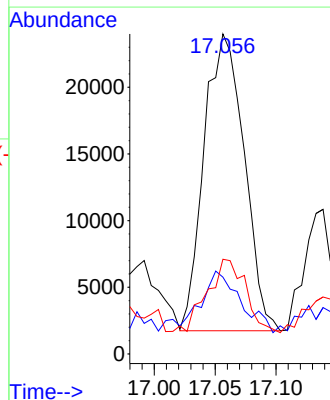
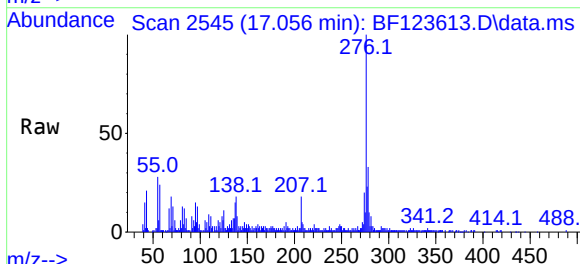
Manual Integrations
APPROVED

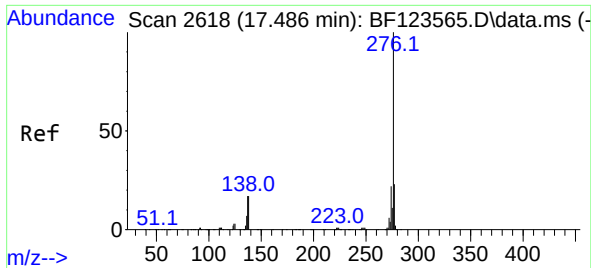
mohammad
4/19/2021 11:45:46 AM



#91
Dibenzo(a,h)anthracene
Concen: 3.15 ng
RT: 17.056 min Scan# 2545
Delta R.T. -0.000 min
Lab File: BF123613.D
Acq: 17 Apr 2021 2:40

Tgt Ion: 278 Resp: 51030
Ion Ratio Lower Upper
278 100
139 24.0 10.2 15.2#
279 29.6 19.4 29.0#





#92
Benzo(g,h,i)perylene
Concen: 14.25 ng
RT: 17.497 min Scan# 2620
Delta R.T. 0.012 min
Lab File: BF123613.D
Acq: 17 Apr 2021 2:40

Tgt Ion:	276	Resp:	188239
Ion Ratio	Lower	Upper	
276	100		
277	24.4	18.2	27.2
138	20.0	13.8	20.6

Instrument :
BNA_F
ClientSampleId :
TP-7

Manual Integrations
APPROVED

mohammad
4/19/2021 11:45:46 AM

