

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051322\
 Data File : BF128256.D
 Acq On : 13 May 2022 23:31
 Operator : CG\JU
 Sample : N2826-01
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PL-05-051222

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 05/16/2022
 Supervised By : Jagrut Upadhyay 05/16/2022

Quant Time: May 14 00:58:01 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050922.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat May 14 00:51:21 2022
 Response via : Initial Calibration

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

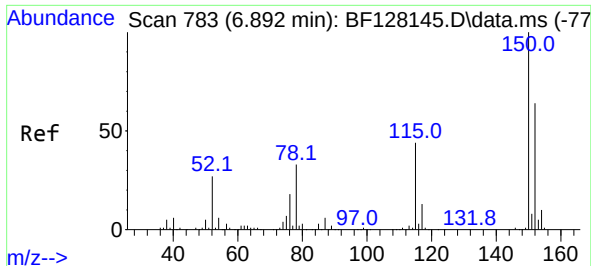
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.887	152	58965	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	224620	20.000	ng	0.00
39) Acenaphthene-d10	9.928	164	115851	20.000	ng	0.00
64) Phenanthrene-d10	11.416	188	175696	20.000	ng	0.00
76) Chrysene-d12	14.063	240	131641	20.000	ng	0.00
86) Perylene-d12	15.562	264	84209	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	347337	93.904	ng	0.00
7) Phenol-d6	6.516	99	468775	95.818	ng	-0.01
23) Nitrobenzene-d5	7.451	82	332410	66.589	ng	-0.01
42) 2,4,6-Tribromophenol	10.716	330	102381	77.055	ng	-0.01
45) 2-Fluorobiphenyl	9.245	172	528957	71.441	ng	0.00
79) Terphenyl-d14	13.004	244	477131	68.010	ng	0.00
Target Compounds						Qvalue
49) Acenaphthylene	9.786	152	22871	2.419	ng	97
71) Phenanthrene	11.439	178	105380	12.045	ng	100
72) Anthracene	11.492	178	41572	4.759	ng	98
75) Fluoranthene	12.633	202	322412	33.992	ng	97
78) Pyrene	12.863	202	317696	33.284	ng	99
81) Benzo(a)anthracene	14.057	228	179393	21.335	ng	93
83) Chrysene	14.092	228	161512	20.132	ng	97
87) Indeno(1,2,3-cd)pyrene	17.080	276	77630m	15.240	ng	
88) Benzo(b)fluoranthene	15.121	252	189021m	36.210	ng	
89) Benzo(k)fluoranthene	15.145	252	57822m	11.221	ng	
90) Benzo(a)pyrene	15.498	252	128135	30.405	ng	98
91) Dibenzo(a,h)anthracene	17.086	278	19943	4.836	ng	# 82
92) Benzo(g,h,i)perylene	17.545	276	73814	17.677	ng	96

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

Manual Integrations

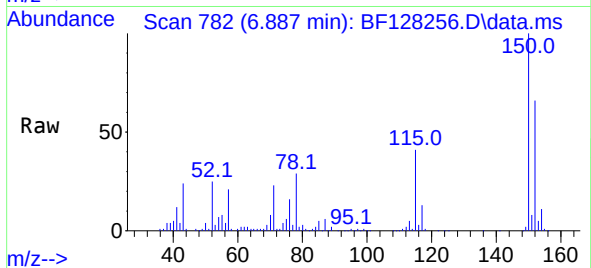
Quant Time: May 14 00:58:01 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050922.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat May 14 00:51:21 2022
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.887 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF128256.D
Acq: 13 May 2022 23:31

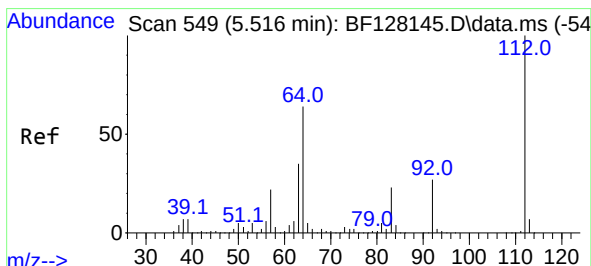
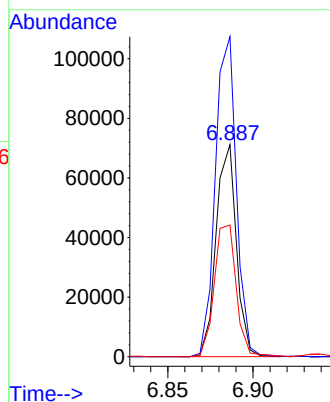
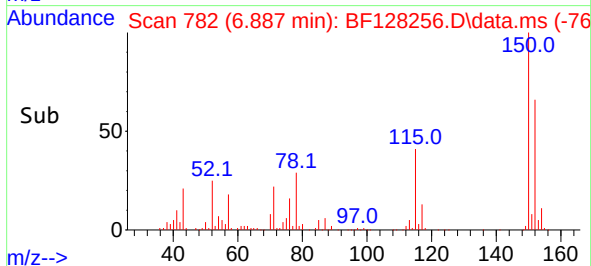
Instrument :
BNA_F
ClientSampleId :
PL-05-051222



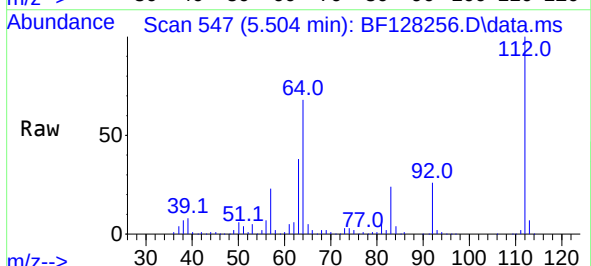
Tgt Ion:152 Resp: 5896
Ion Ratio Lower Upper
152 100
150 151.0 125.3 187.9
115 62.1 48.8 73.2

Manual Integrations
APPROVED

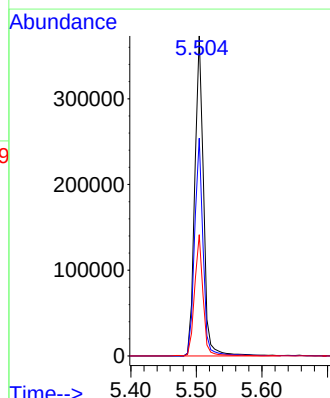
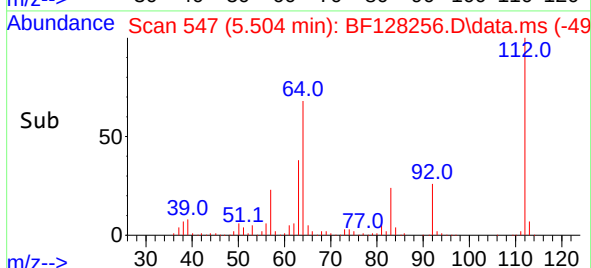
Reviewed By :Christian Giraldo 05/16/2022
Supervised By :Jagrut Upadhyay 05/16/2022

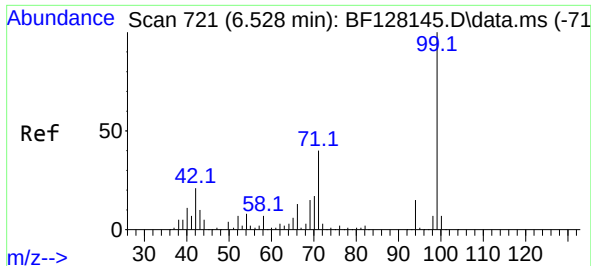


#5
2-Fluorophenol
Concen: 93.904 ng
RT: 5.504 min Scan# 547
Delta R.T. -0.006 min
Lab File: BF128256.D
Acq: 13 May 2022 23:31



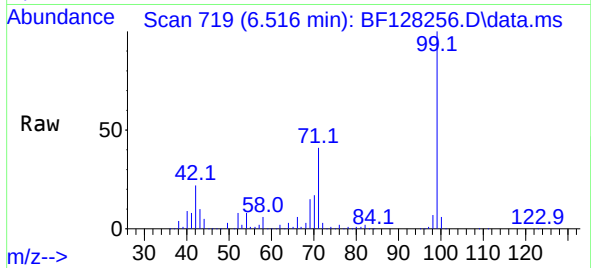
Tgt Ion:112 Resp: 347337
Ion Ratio Lower Upper
112 100
64 68.1 49.5 74.3
63 37.9 26.3 39.5





#7
Phenol-d6
Concen: 95.818 ng
RT: 6.516 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF128256.D
Acq: 13 May 2022 23:31

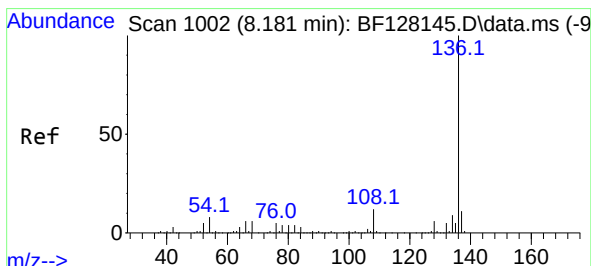
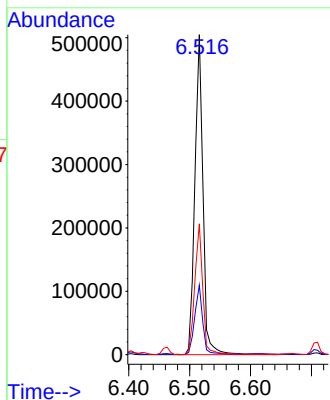
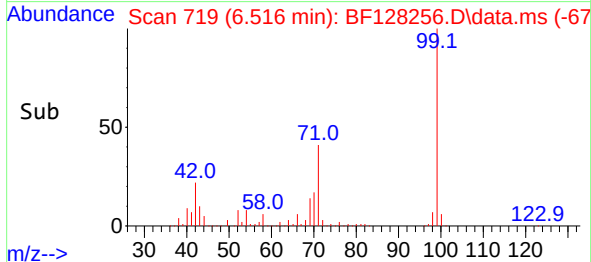
Instrument :
BNA_F
ClientSampleId :
PL-05-051222



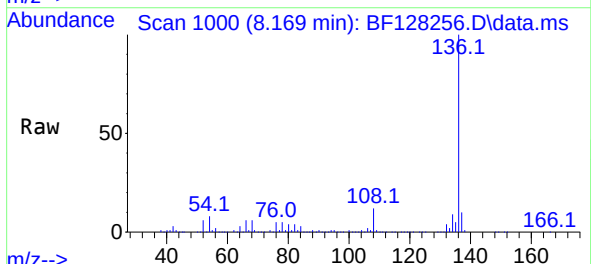
Tgt Ion: 99 Resp: 468775
Ion Ratio Lower Upper
99 100
42 21.8 16.6 24.8
71 40.9 30.0 45.0

Manual Integrations
APPROVED

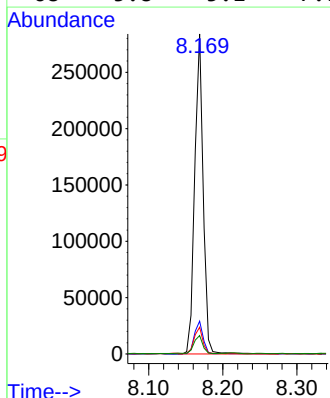
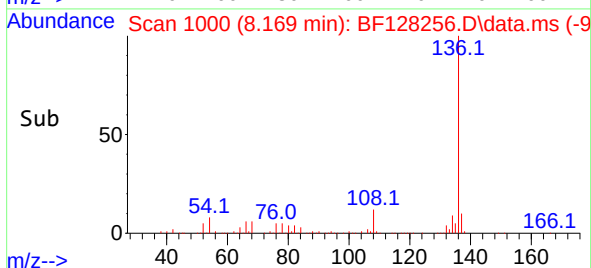
Reviewed By :Christian Giraldo 05/16/2022
Supervised By :Jagrut Upadhyay 05/16/2022

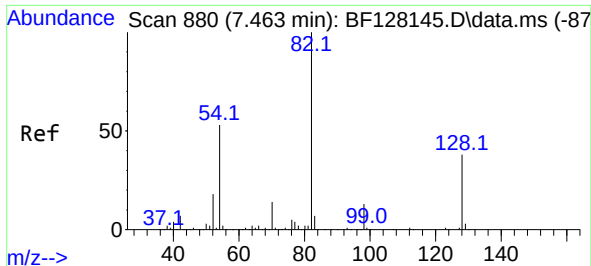


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.169 min Scan# 1000
Delta R.T. -0.006 min
Lab File: BF128256.D
Acq: 13 May 2022 23:31



Tgt Ion:136 Resp: 224620
Ion Ratio Lower Upper
136 100
137 10.3 8.6 13.0
54 8.3 6.8 10.2
68 5.8 5.1 7.7





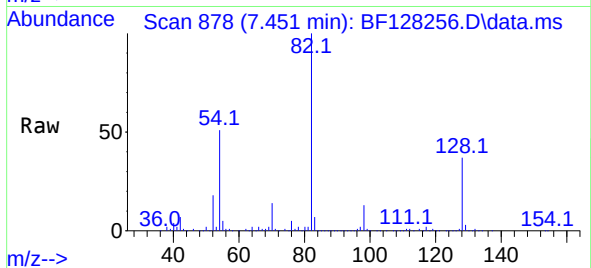
#23
Nitrobenzene-d5
Concen: 66.589 ng
RT: 7.451 min Scan# 81
Delta R.T. -0.012 min
Lab File: BF128256.D
Acq: 13 May 2022 23:31

Instrument :

BNA_F

ClientSampleId :

PL-05-051222

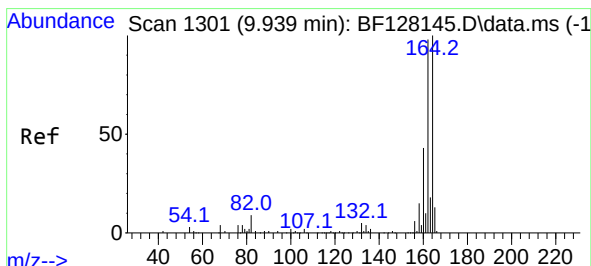
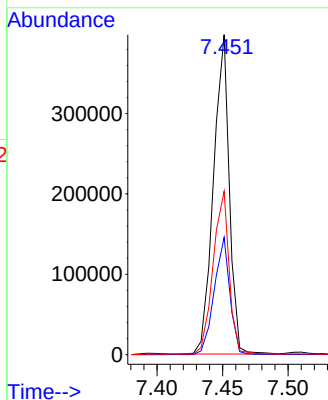
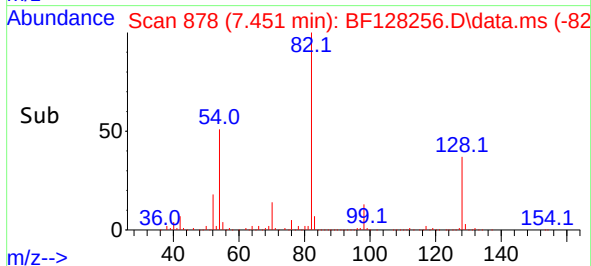


Tgt Ion: 82 Resp: 332410
Ion Ratio Lower Upper
82 100
128 36.6 30.0 45.0
54 51.1 41.3 61.9

Manual Integrations

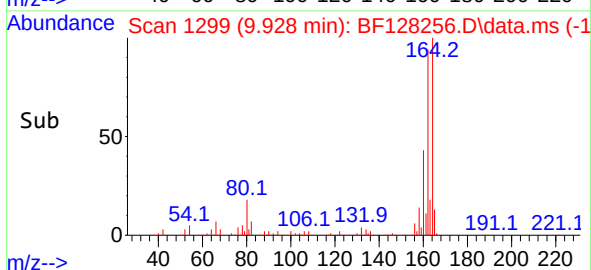
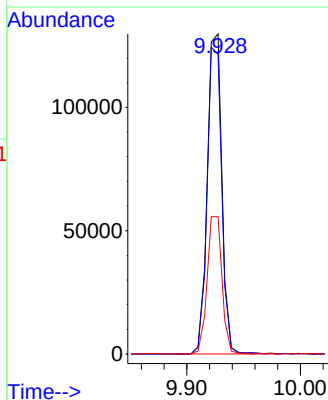
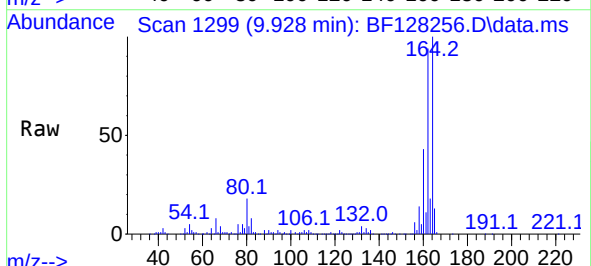
APPROVED

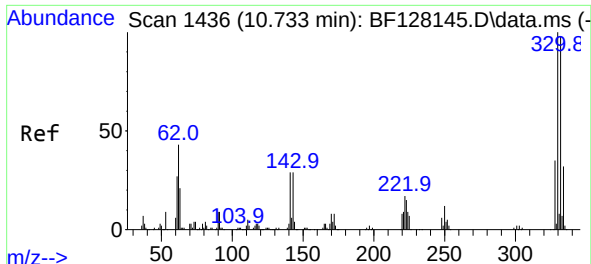
Reviewed By :Christian Giraldo 05/16/2022
Supervised By :Jagrut Upadhyay 05/16/2022



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.928 min Scan# 1299
Delta R.T. -0.006 min
Lab File: BF128256.D
Acq: 13 May 2022 23:31

Tgt Ion:164 Resp: 115851
Ion Ratio Lower Upper
164 100
162 93.6 76.0 114.0
160 42.9 34.8 52.2





#42
2,4,6-Tribromophenol
Concen: 77.055 ng
RT: 10.716 min Scan# 1433
Delta R.T. -0.012 min
Lab File: BF128256.D
Acq: 13 May 2022 23:31

Instrument :

BNA_F

ClientSampleId :

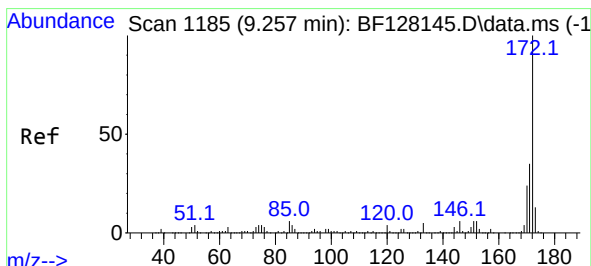
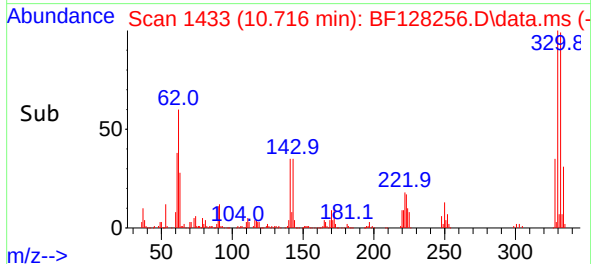
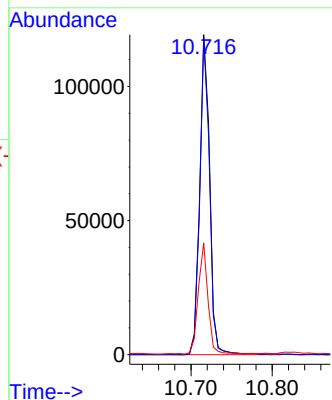
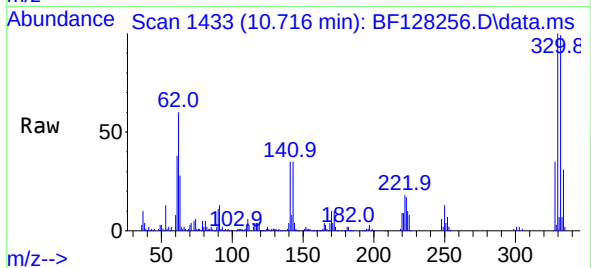
PL-05-051222

Tgt Ion:330 Resp: 10238
Ion Ratio Lower Upper
330 100
332 96.3 79.0 118.4
141 33.5 28.9 43.3

Manual Integrations

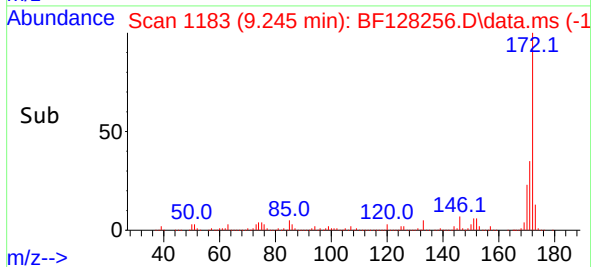
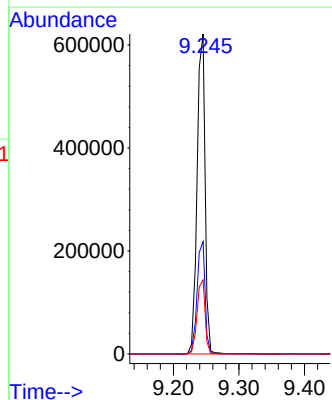
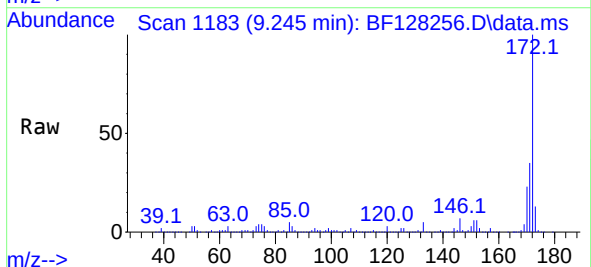
APPROVED

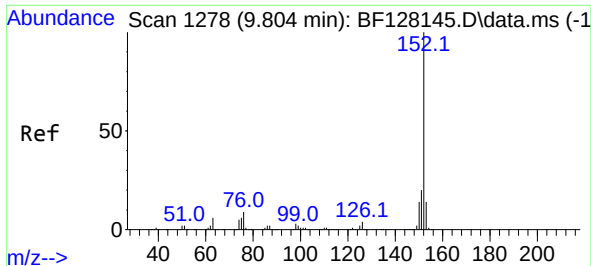
Reviewed By :Christian Giraldo 05/16/2022
Supervised By :Jagrut Upadhyay 05/16/2022



#45
2-Fluorobiphenyl
Concen: 71.441 ng
RT: 9.245 min Scan# 1183
Delta R.T. -0.006 min
Lab File: BF128256.D
Acq: 13 May 2022 23:31

Tgt Ion:172 Resp: 528957
Ion Ratio Lower Upper
172 100
171 35.1 28.6 42.8
170 23.1 19.1 28.7





#49
Acenaphthylene
Concen: 2.419 ng
RT: 9.786 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF128256.D
Acq: 13 May 2022 23:31

Instrument :

BNA_F

ClientSampleId :

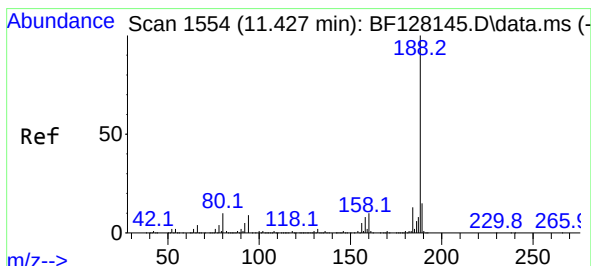
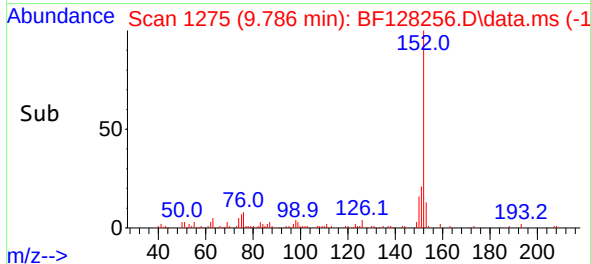
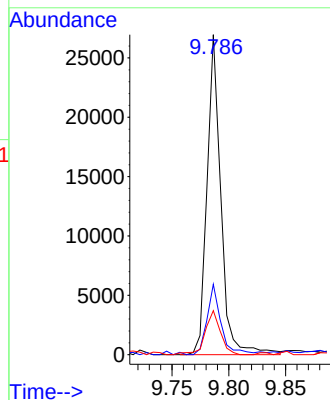
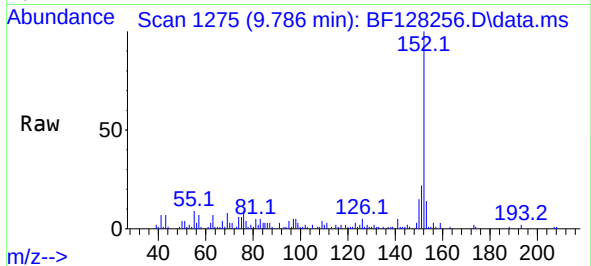
PL-05-051222

Tgt Ion:152 Resp: 2287
Ion Ratio Lower Upper
152 100
151 22.0 16.2 24.2
153 13.8 11.2 16.8

Manual Integrations

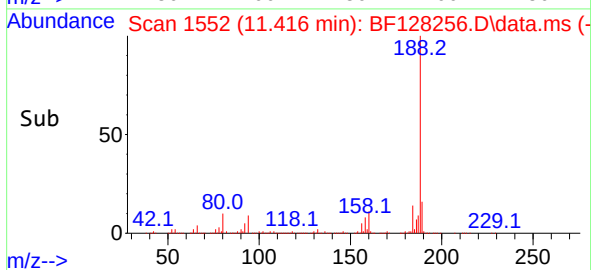
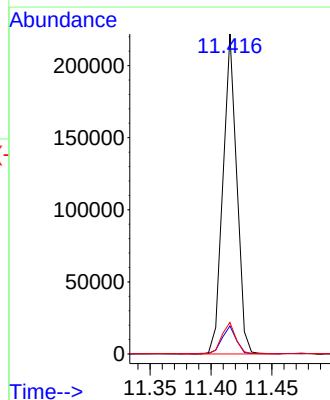
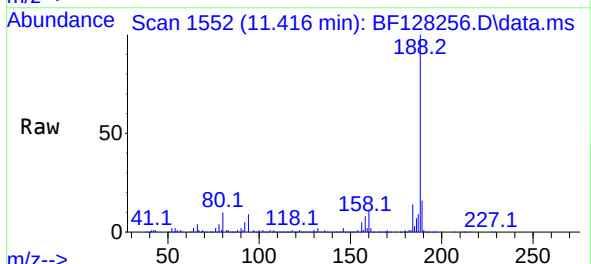
APPROVED

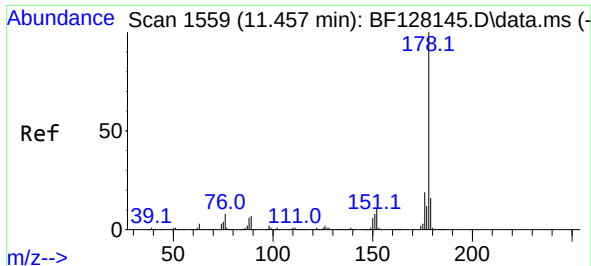
Reviewed By :Christian Giraldo 05/16/2022
Supervised By :Jagrut Upadhyay 05/16/2022



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.416 min Scan# 1552
Delta R.T. -0.006 min
Lab File: BF128256.D
Acq: 13 May 2022 23:31

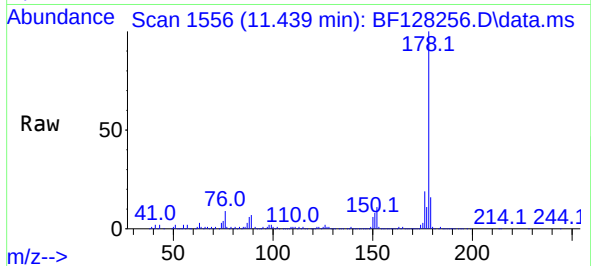
Tgt Ion:188 Resp: 175696
Ion Ratio Lower Upper
188 100
94 8.7 8.0 12.0
80 9.9 8.9 13.3





#71
Phenanthrene
Concen: 12.045 ng
RT: 11.439 min Scan# 1556
Delta R.T. -0.012 min
Lab File: BF128256.D
Acq: 13 May 2022 23:31

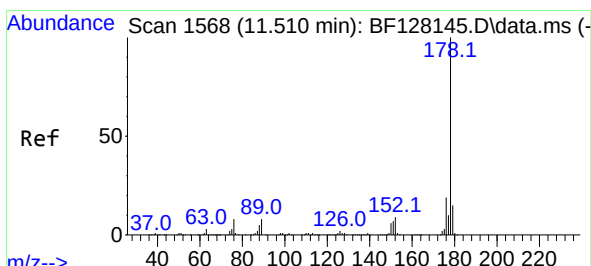
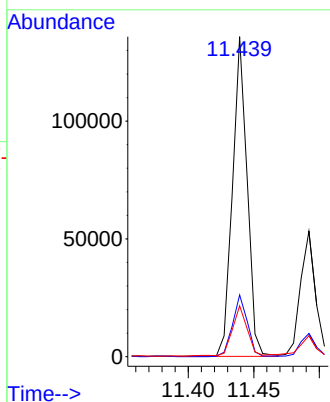
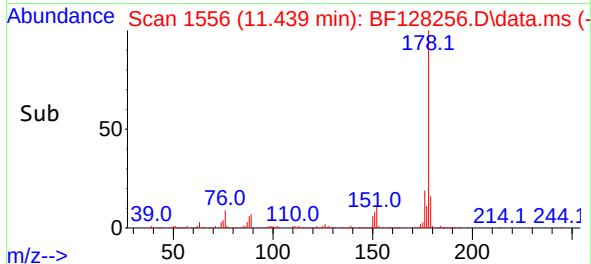
Instrument :
BNA_F
ClientSampleId :
PL-05-051222



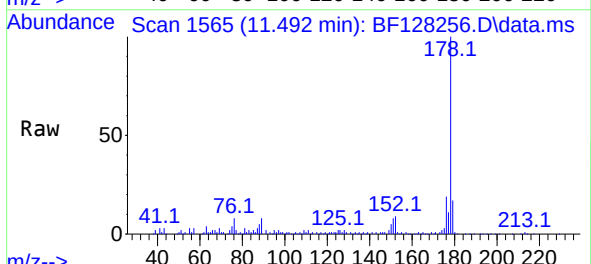
Tgt Ion:178 Resp: 105380
Ion Ratio Lower Upper
178 100
176 19.3 15.7 23.5
179 15.9 12.6 19.0

Manual Integrations
APPROVED

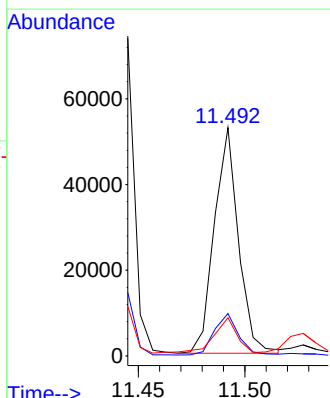
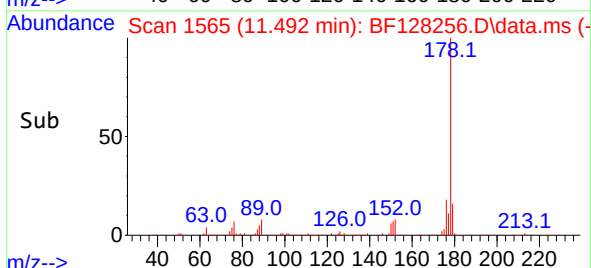
Reviewed By :Christian Giraldo 05/16/2022
Supervised By :Jagrut Upadhyay 05/16/2022

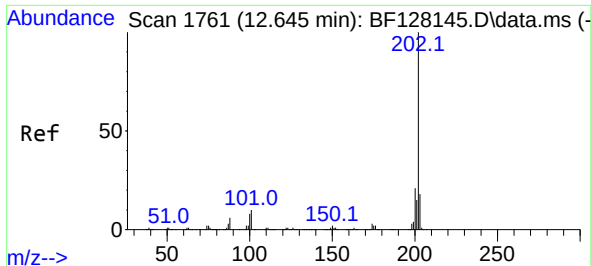


#72
Anthracene
Concen: 4.759 ng
RT: 11.492 min Scan# 1565
Delta R.T. -0.012 min
Lab File: BF128256.D
Acq: 13 May 2022 23:31



Tgt Ion:178 Resp: 41572
Ion Ratio Lower Upper
178 100
176 18.6 15.0 22.6
179 16.8 12.4 18.6





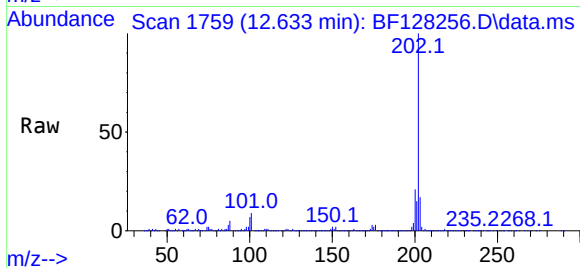
#75
Fluoranthene
Concen: 33.992 ng
RT: 12.633 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF128256.D
Acq: 13 May 2022 23:31

Instrument :

BNA_F

ClientSampleId :

PL-05-051222

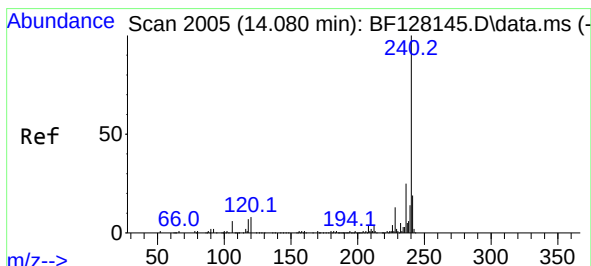
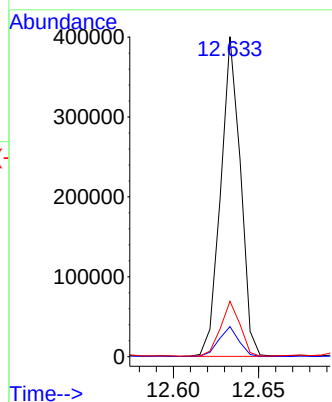


Tgt Ion:202 Resp: 322412
Ion Ratio Lower Upper
202 100
101 9.4 0.0 31.6
203 17.3 0.0 38.1

Manual Integrations

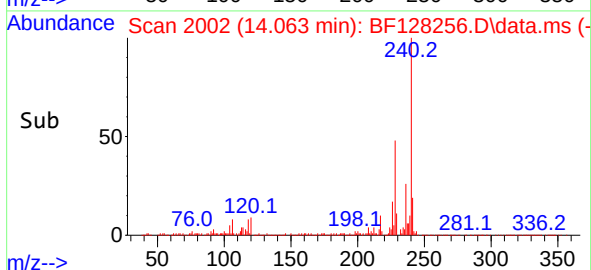
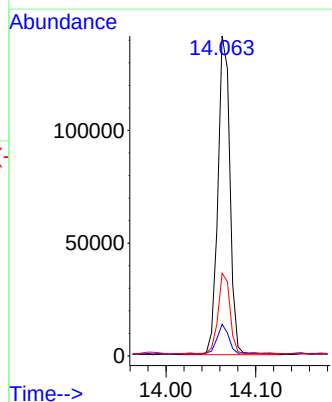
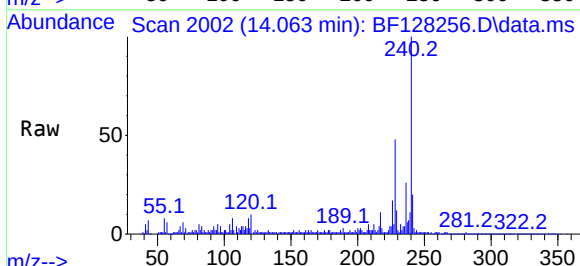
APPROVED

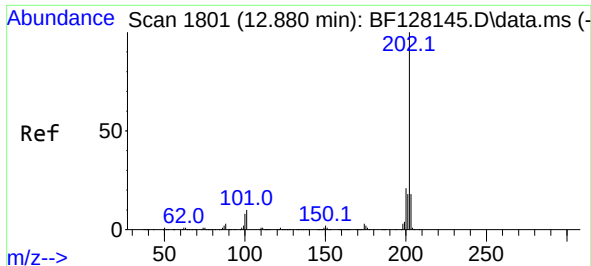
Reviewed By :Christian Giraldo 05/16/2022
Supervised By :Jagrut Upadhyay 05/16/2022



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.063 min Scan# 2002
Delta R.T. -0.006 min
Lab File: BF128256.D
Acq: 13 May 2022 23:31

Tgt Ion:240 Resp: 131641
Ion Ratio Lower Upper
240 100
120 9.9 7.0 10.6
236 25.9 20.3 30.5





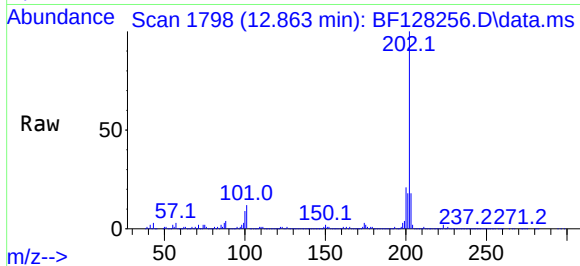
#78
Pyrene
Concen: 33.284 ng
RT: 12.863 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF128256.D
Acq: 13 May 2022 23:31

Instrument :

BNA_F

ClientSampleId :

PL-05-051222

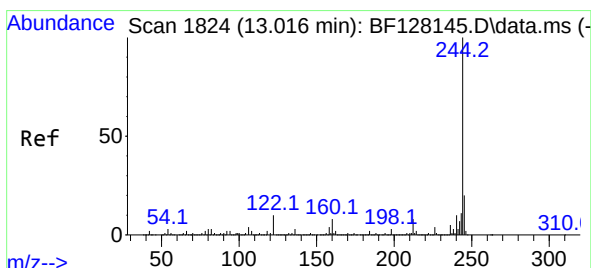
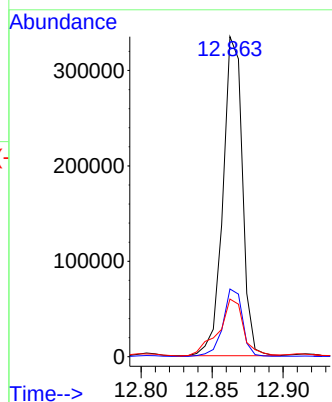
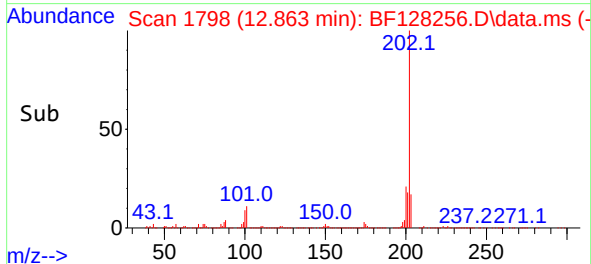


Tgt Ion:202 Resp: 317690
Ion Ratio Lower Upper
202 100
200 21.1 17.4 26.2
203 18.0 14.0 21.0

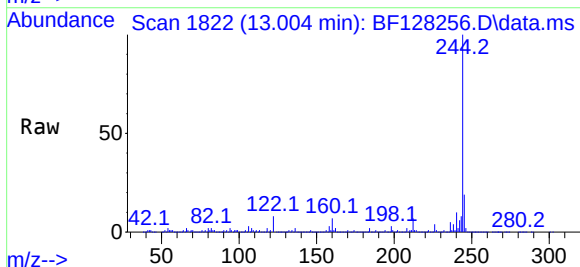
Manual Integrations

APPROVED

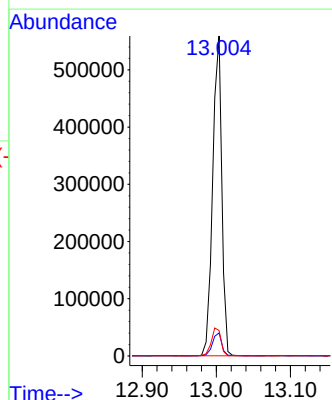
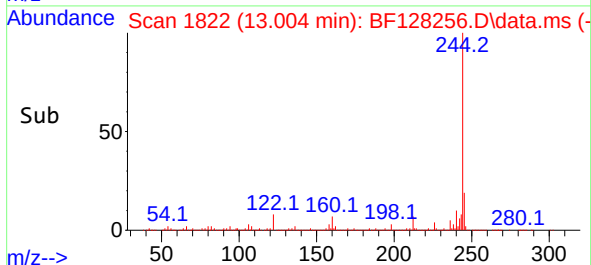
Reviewed By :Christian Giraldo 05/16/2022
Supervised By :Jagrut Upadhyay 05/16/2022

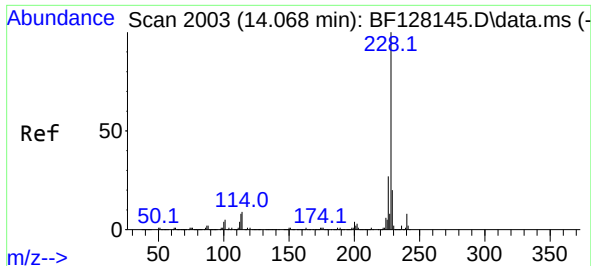


#79
Terphenyl-d14
Concen: 68.010 ng
RT: 13.004 min Scan# 1822
Delta R.T. -0.006 min
Lab File: BF128256.D
Acq: 13 May 2022 23:31



Tgt Ion:244 Resp: 477131
Ion Ratio Lower Upper
244 100
212 7.2 6.2 9.4
122 8.0 8.6 12.8#





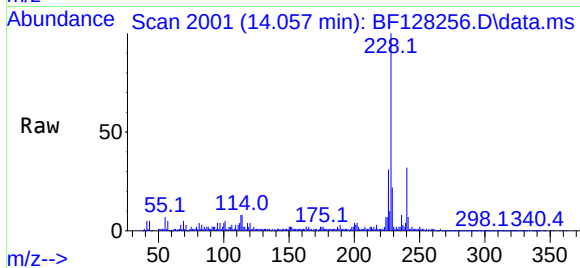
#81
Benzo(a)anthracene
Concen: 21.335 ng
RT: 14.057 min Scan# 2001
Delta R.T. -0.000 min
Lab File: BF128256.D
Acq: 13 May 2022 23:31

Instrument :

BNA_F

ClientSampleId :

PL-05-051222

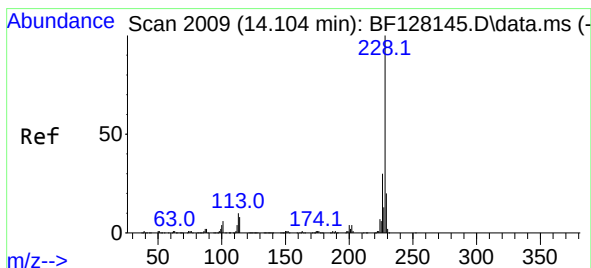
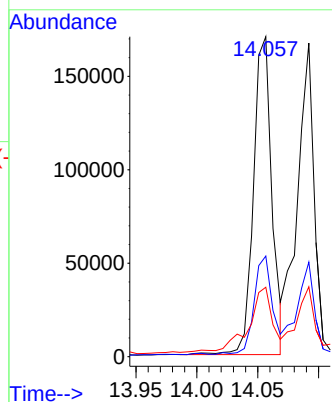
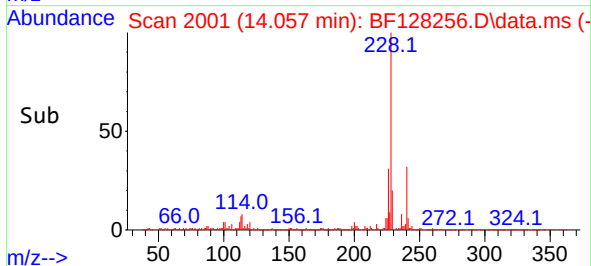


Tgt Ion:228 Resp: 17939
Ion Ratio Lower Upper
228 100
226 31.5 21.7 32.5
229 21.7 15.4 23.2

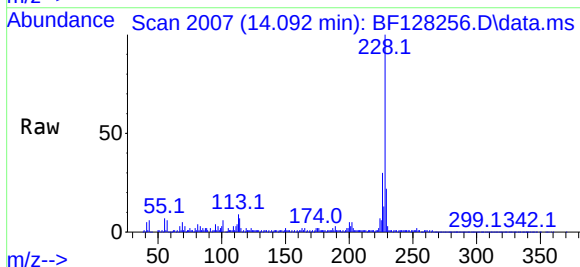
Manual Integrations

APPROVED

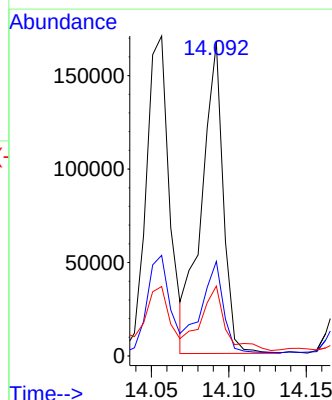
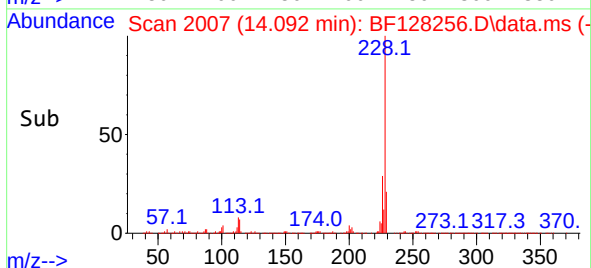
Reviewed By :Christian Giraldo 05/16/2022
Supervised By :Jagrut Upadhyay 05/16/2022

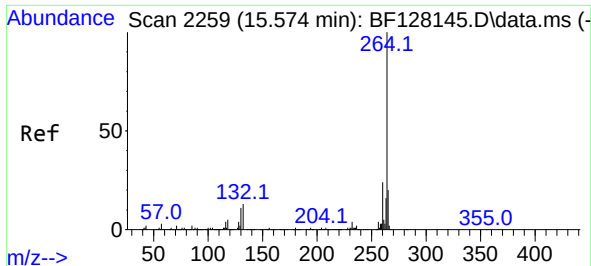


#83
Chrysene
Concen: 20.132 ng
RT: 14.092 min Scan# 2007
Delta R.T. -0.006 min
Lab File: BF128256.D
Acq: 13 May 2022 23:31



Tgt Ion:228 Resp: 161512
Ion Ratio Lower Upper
228 100
226 30.1 24.4 36.6
229 22.3 15.8 23.8





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.562 min Scan# 21
Delta R.T. -0.000 min
Lab File: BF128256.D
Acq: 13 May 2022 23:31

Instrument :

BNA_F

ClientSampleId :

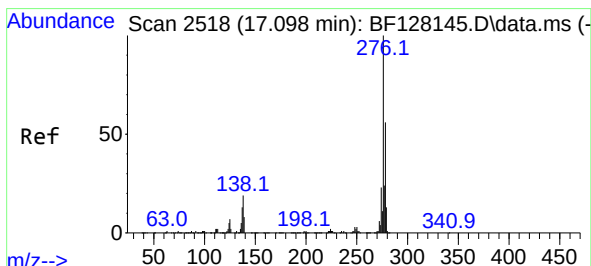
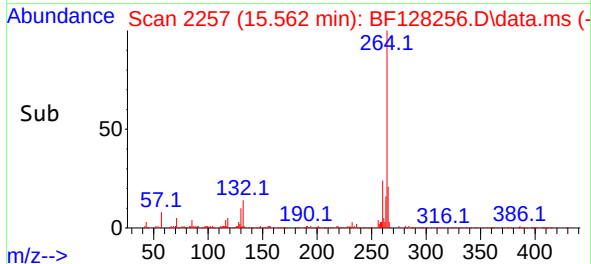
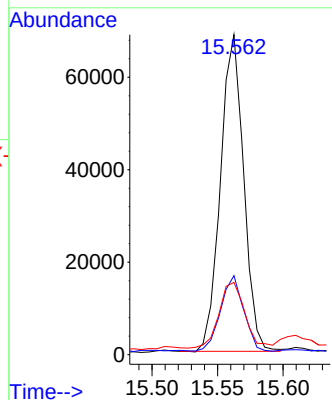
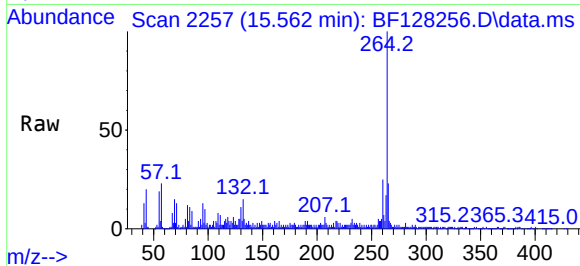
PL-05-051222

Tgt Ion:264 Resp: 84209
Ion Ratio Lower Upper
264 100
260 24.7 20.1 30.1
265 22.6 17.5 26.3

Manual Integrations

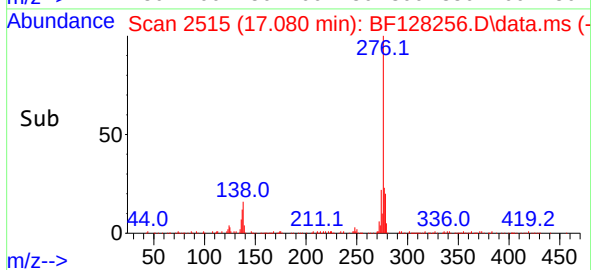
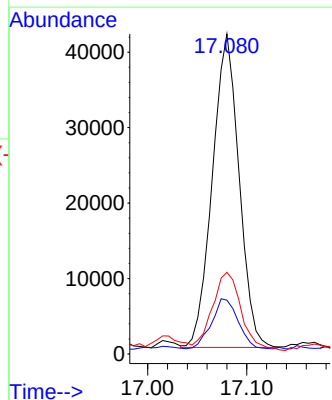
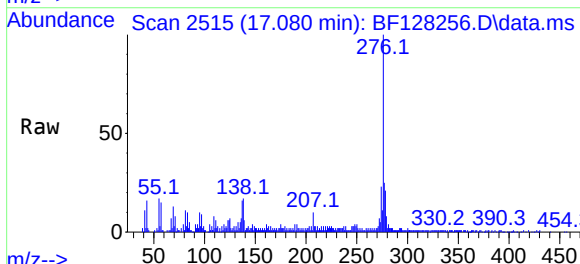
APPROVED

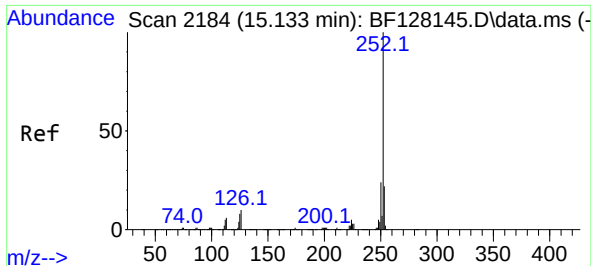
Reviewed By :Christian Giraldo 05/16/2022
Supervised By :Jagrut Upadhyay 05/16/2022



#87
Indeno(1,2,3-cd)pyrene
Concen: 15.240 ng m
RT: 17.080 min Scan# 2515
Delta R.T. -0.006 min
Lab File: BF128256.D
Acq: 13 May 2022 23:31

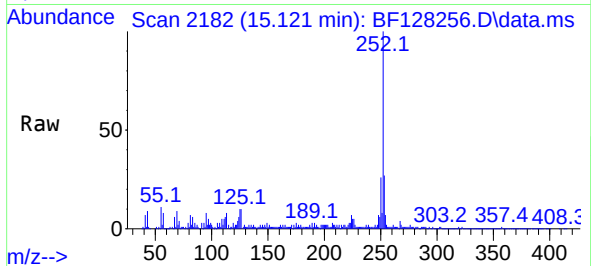
Tgt Ion:276 Resp: 77630
Ion Ratio Lower Upper
276 100
138 0.9 19.0 28.4#
277 1.2 20.1 30.1#





#88
Benzo(b)fluoranthene
Concen: 36.210 ng m
RT: 15.121 min Scan# 2184
Delta R.T. -0.000 min
Lab File: BF128256.D
Acq: 13 May 2022 23:31

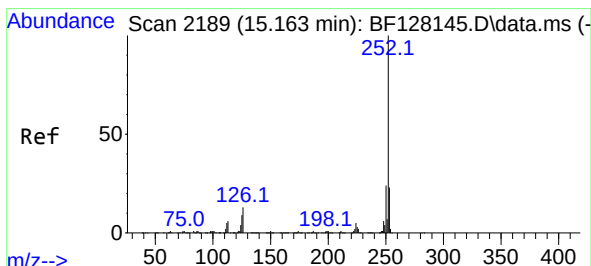
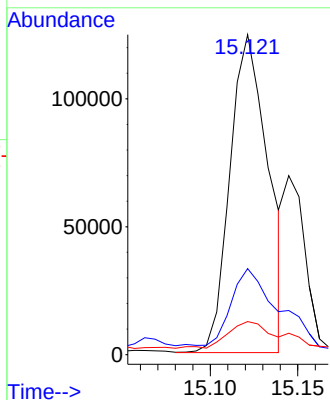
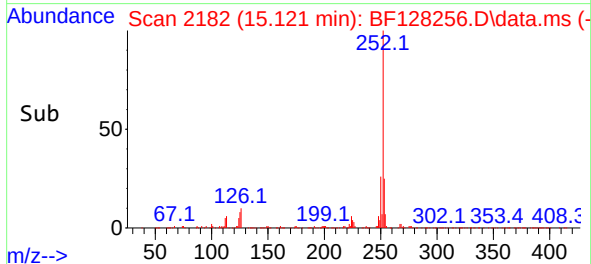
Instrument :
BNA_F
ClientSampleId :
PL-05-051222



Tgt Ion:252 Resp: 18902
Ion Ratio Lower Upper
252 100
253 26.9 17.4 26.2
125 10.3 7.4 11.2

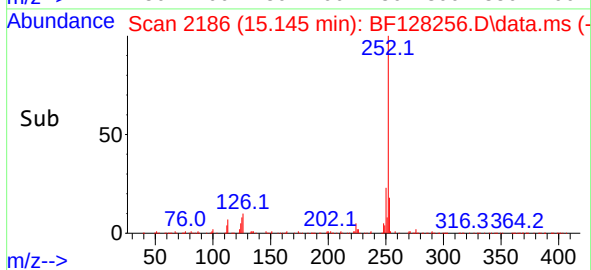
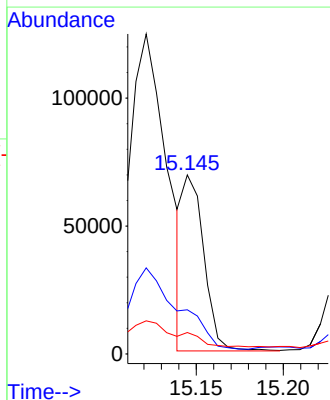
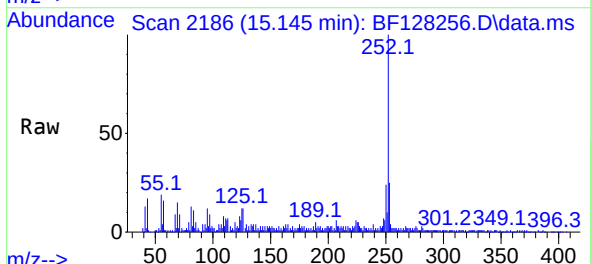
Manual Integrations
APPROVED

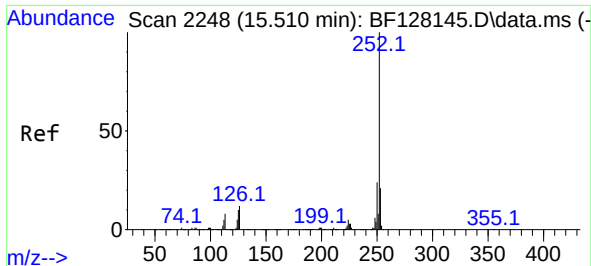
Reviewed By :Christian Giraldo 05/16/2022
Supervised By :Jagrut Upadhyay 05/16/2022



#89
Benzo(k)fluoranthene
Concen: 11.221 ng m
RT: 15.145 min Scan# 2186
Delta R.T. -0.006 min
Lab File: BF128256.D
Acq: 13 May 2022 23:31

Tgt Ion:252 Resp: 57822
Ion Ratio Lower Upper
252 100
253 24.6 17.0 25.4
125 11.9 6.8 10.2#





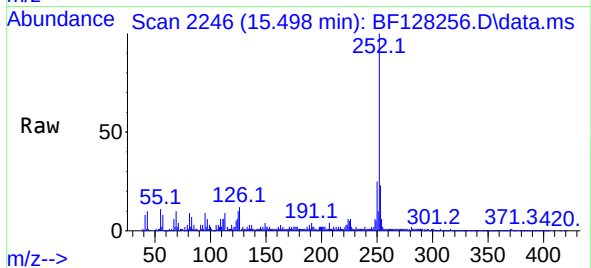
#90
Benzo(a)pyrene
Concen: 30.405 ng
RT: 15.498 min Scan# 2116
Delta R.T. -0.000 min
Lab File: BF128256.D
Acq: 13 May 2022 23:31

Instrument :

BNA_F

ClientSampleId :

PL-05-051222

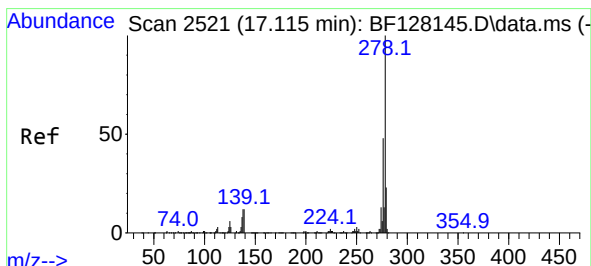
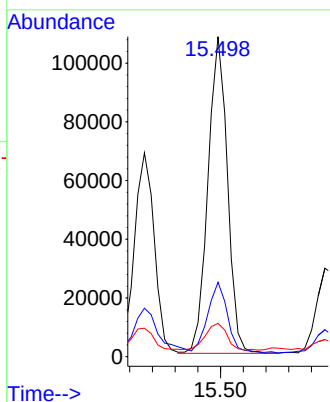
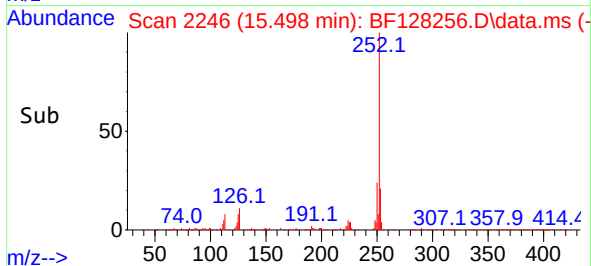


Tgt Ion:252 Resp: 128135
Ion Ratio Lower Upper
252 100
253 23.2 17.8 26.6
125 10.4 9.2 13.8

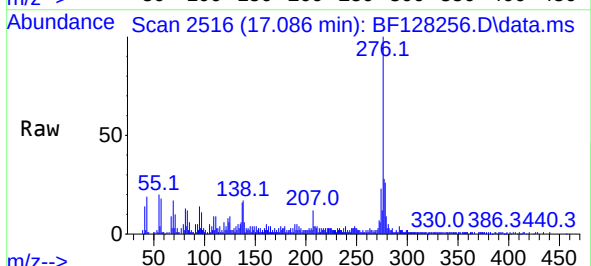
Manual Integrations

APPROVED

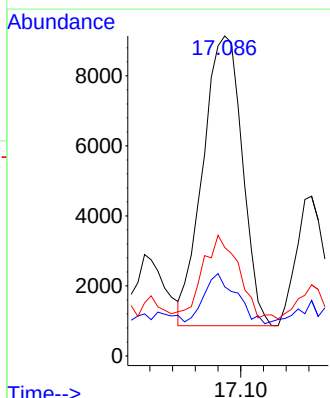
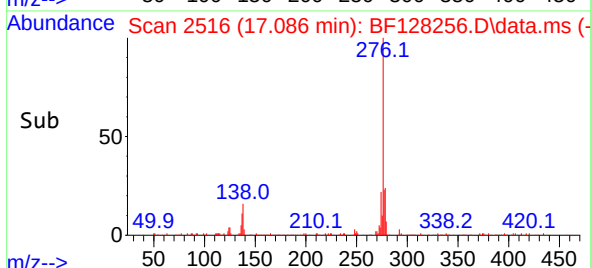
Reviewed By :Christian Giraldo 05/16/2022
Supervised By :Jagrut Upadhyay 05/16/2022

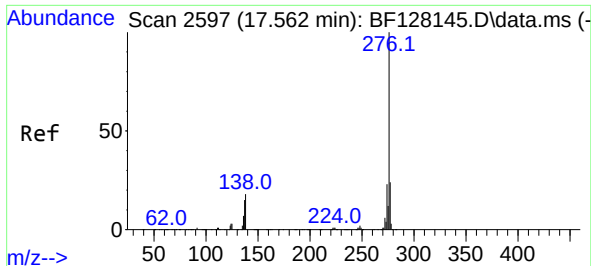


#91
Dibenzo(a,h)anthracene
Concen: 4.836 ng
RT: 17.086 min Scan# 2516
Delta R.T. -0.012 min
Lab File: BF128256.D
Acq: 13 May 2022 23:31



Tgt Ion:278 Resp: 19943
Ion Ratio Lower Upper
278 100
139 21.6 12.6 19.0#
279 33.9 18.9 28.3#





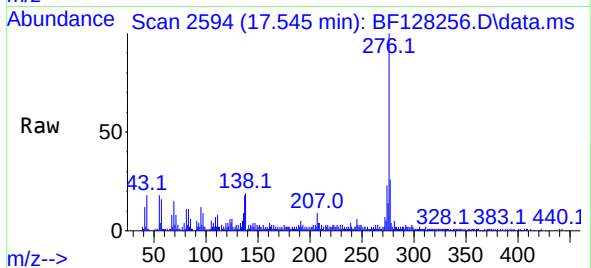
#92
Benzo(g,h,i)perylene
Concen: 17.677 ng
RT: 17.545 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF128256.D
Acq: 13 May 2022 23:31

Instrument :

BNA_F

ClientSampleId :

PL-05-051222



Tgt Ion:276 Resp: 73814
Ion Ratio Lower Upper
276 100
277 25.8 18.8 28.2
138 18.6 16.2 24.2

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 05/16/2022
Supervised By :Jagrut Upadhyay 05/16/2022

