

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051822\
 Data File : BF128325.D
 Acq On : 18 May 2022 21:53
 Operator : CG\JU
 Sample : N2900-03
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SU-04-051722

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 05/19/2022
 Supervised By : Jagrut Upadhyay 05/19/2022

Quant Time: May 19 06:51:02 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050922.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 19 06:47:51 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.869	152	71722	20.000	ng	0.00
21) Naphthalene-d8	8.151	136	265427	20.000	ng	0.00
39) Acenaphthene-d10	9.910	164	127530	20.000	ng	0.00
64) Phenanthrene-d10	11.398	188	200202	20.000	ng	0.00
76) Chrysene-d12	14.045	240	192720	20.000	ng	-0.01
86) Perylene-d12	15.539	264	171028	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	226023	50.237	ng	0.00
7) Phenol-d6	6.498	99	318511	53.524	ng	-0.01
23) Nitrobenzene-d5	7.434	82	242989	41.193	ng	-0.01
42) 2,4,6-Tribromophenol	10.698	330	54496	37.259	ng	-0.01
45) 2-Fluorobiphenyl	9.228	172	385363	47.281	ng	0.00
79) Terphenyl-d14	12.986	244	371824	36.203	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.422	178	25574	2.565	ng	98
75) Fluoranthene	12.616	202	111381	10.306	ng	98
78) Pyrene	12.845	202	104034	7.445	ng	98
81) Benzo(a)anthracene	14.039	228	63415	5.152	ng	95
83) Chrysene	14.074	228	56732	4.830	ng	94
87) Indeno(1,2,3-cd)pyrene	17.045	276	25239	2.440	ng	96
88) Benzo(b)fluoranthene	15.098	252	76261m	7.193	ng	
89) Benzo(k)fluoranthene	15.127	252	27522m	2.630	ng	
90) Benzo(a)pyrene	15.474	252	52240	6.103	ng	98
92) Benzo(g,h,i)perylene	17.503	276	24430	2.881	ng #	92

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

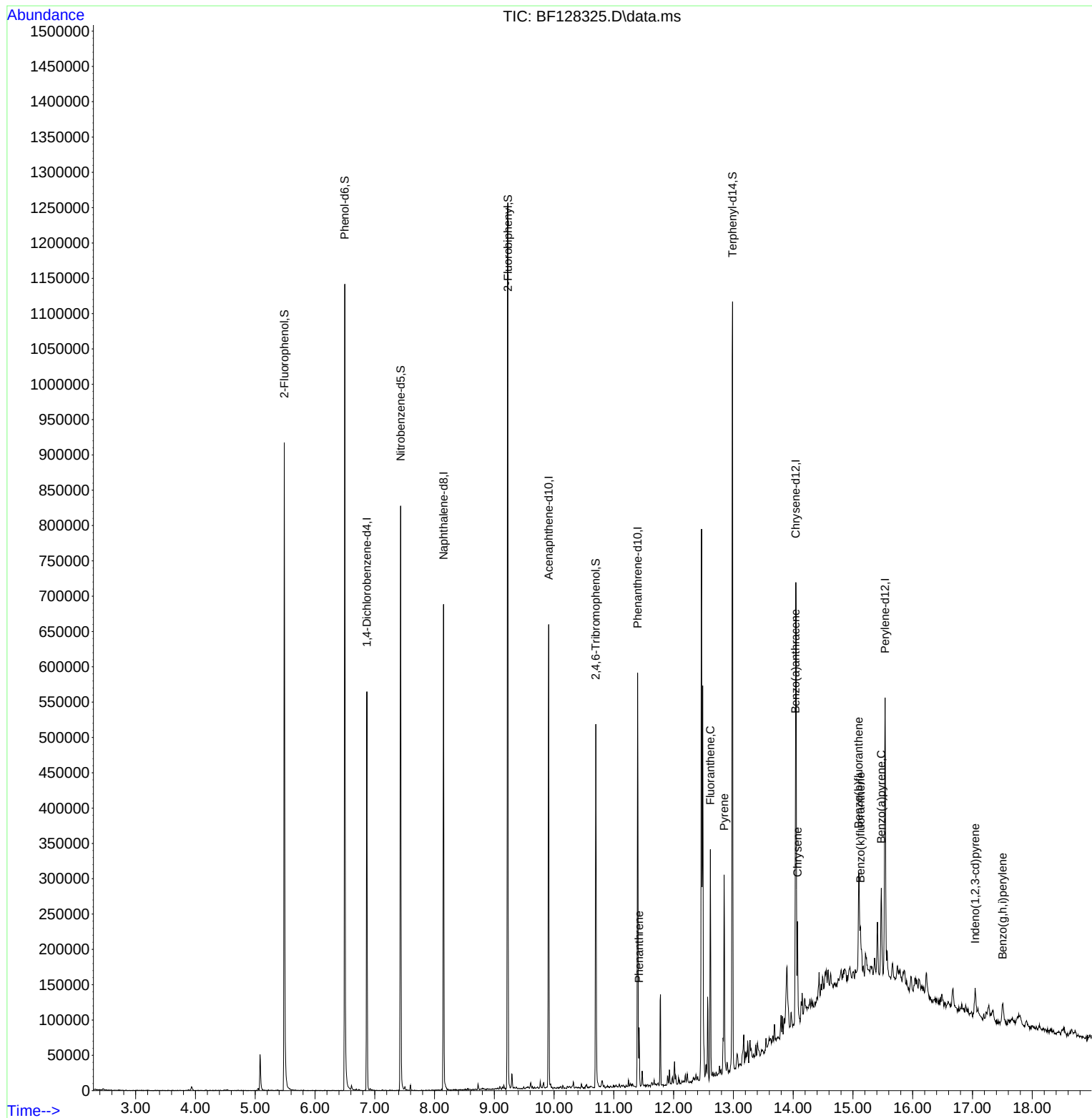
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051822\
Data File : BF128325.D
Acq On : 18 May 2022 21:53
Operator : CG\JU
Sample : N2900-03
Misc :
ALS Vial : 20 Sample Multiplier: 1

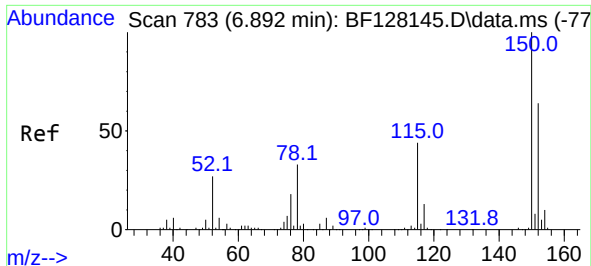
Instrument :
BNA_F
ClientSampleId :
SU-04-051722

Quant Time: May 19 06:51:02 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050922.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu May 19 06:47:51 2022
Response via : Initial Calibration

Manual Integrations
APPROVED

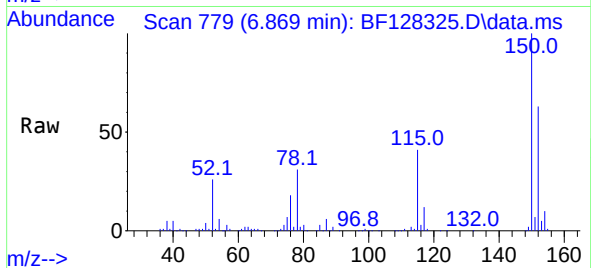
Reviewed By : Christian Giraldo 05/19/2022
Supervised By : Jagrut Upadhyay 05/19/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.869 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF128325.D
Acq: 18 May 2022 21:53

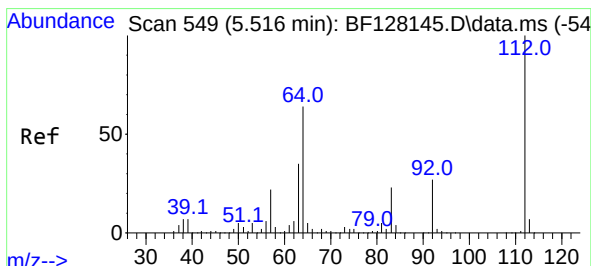
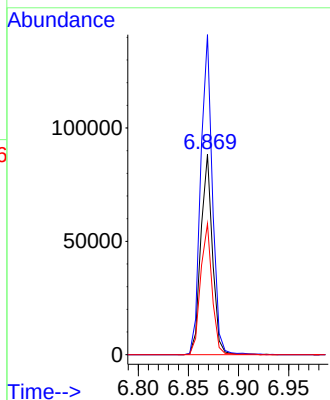
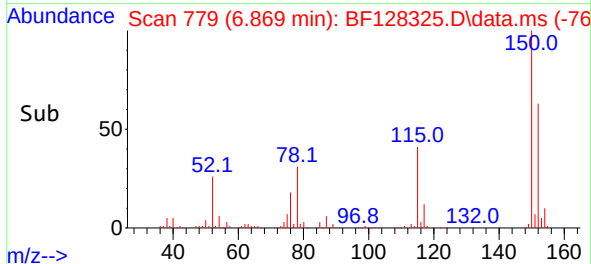
Instrument :
BNA_F
ClientSampleId :
SU-04-051722



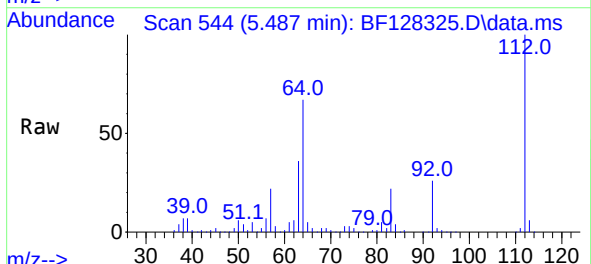
Tgt Ion:152 Resp: 7172
Ion Ratio Lower Upper
152 100
150 159.7 125.3 187.9
115 65.4 48.8 73.2

Manual Integrations
APPROVED

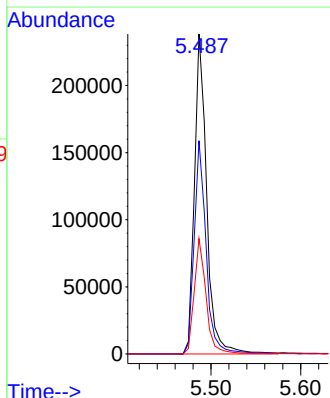
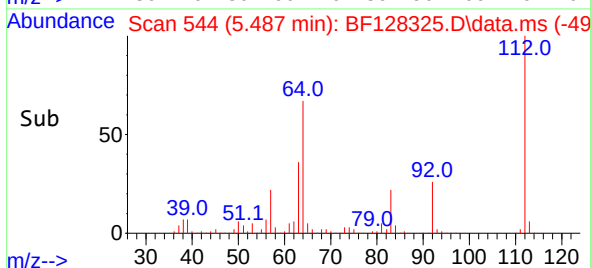
Reviewed By :Christian Giraldo 05/19/2022
Supervised By :Jagrut Upadhyay 05/19/2022

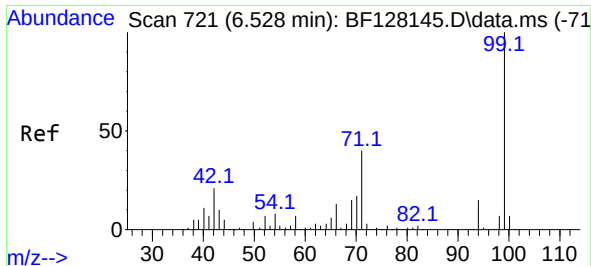


#5
2-Fluorophenol
Concen: 50.237 ng
RT: 5.487 min Scan# 544
Delta R.T. -0.006 min
Lab File: BF128325.D
Acq: 18 May 2022 21:53



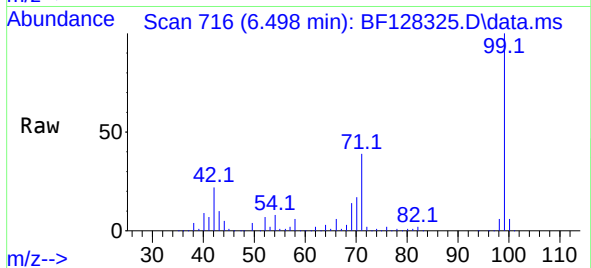
Tgt Ion:112 Resp: 226023
Ion Ratio Lower Upper
112 100
64 66.6 49.5 74.3
63 36.0 26.3 39.5





#7
Phenol-d6
Concen: 53.524 ng
RT: 6.498 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF128325.D
Acq: 18 May 2022 21:53

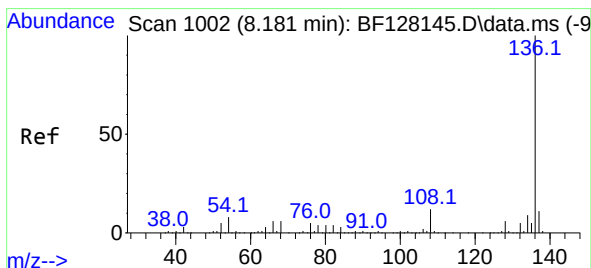
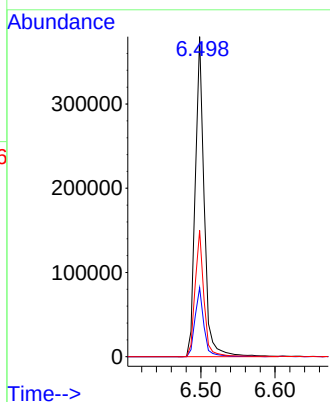
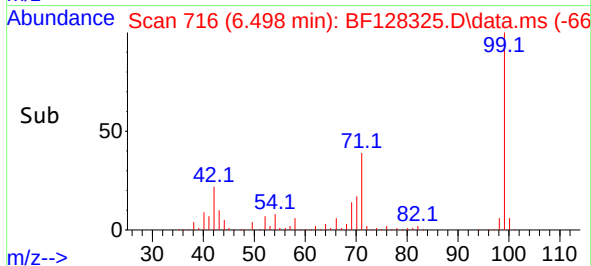
Instrument :
BNA_F
ClientSampleId :
SU-04-051722



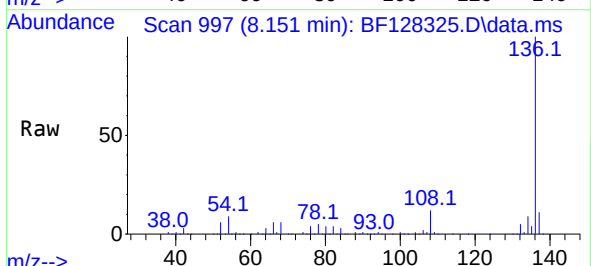
Tgt Ion: 99 Resp: 31851
Ion Ratio Lower Upper
99 100
42 21.5 16.6 24.8
71 39.4 30.0 45.0

Manual Integrations
APPROVED

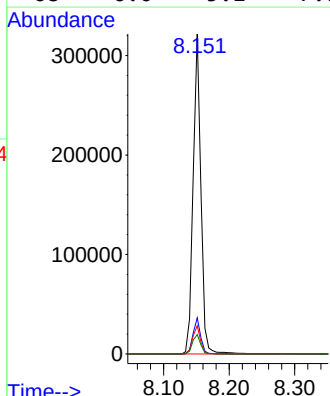
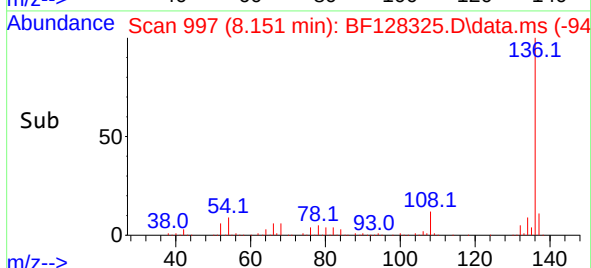
Reviewed By :Christian Giraldo 05/19/2022
Supervised By :Jagrut Upadhyay 05/19/2022

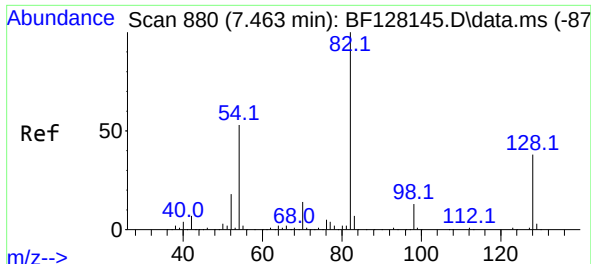


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.151 min Scan# 997
Delta R.T. -0.006 min
Lab File: BF128325.D
Acq: 18 May 2022 21:53



Tgt Ion:136 Resp: 265427
Ion Ratio Lower Upper
136 100
137 11.3 8.6 13.0
54 8.8 6.8 10.2
68 6.0 5.1 7.7





#23
Nitrobenzene-d5
Concen: 41.193 ng
RT: 7.434 min Scan# 81
Delta R.T. -0.012 min
Lab File: BF128325.D
Acq: 18 May 2022 21:53

Instrument :

BNA_F

ClientSampleId :

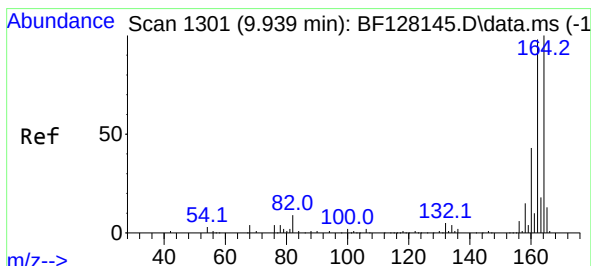
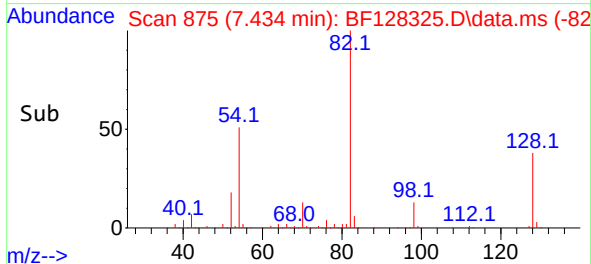
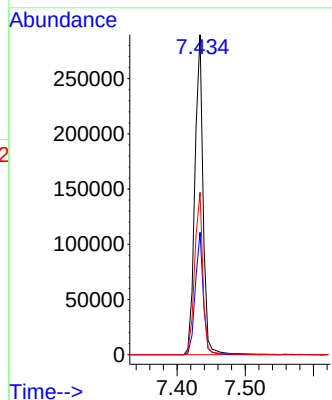
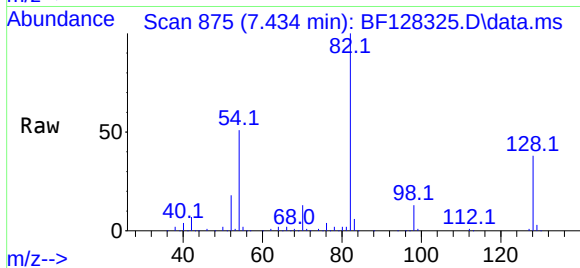
SU-04-051722

Tgt Ion: 82 Resp: 242989
Ion Ratio Lower Upper
82 100
128 38.2 30.0 45.0
54 50.8 41.3 61.9

Manual Integrations

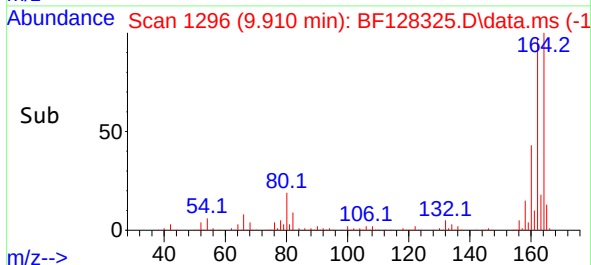
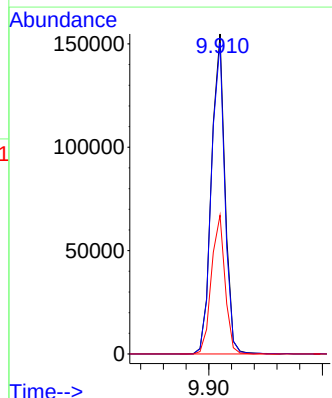
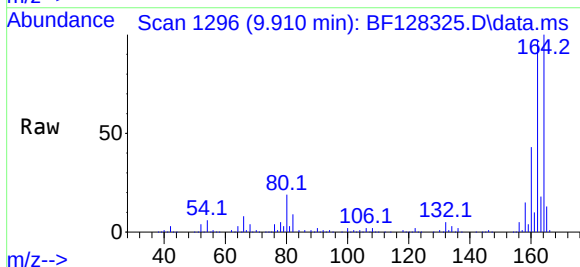
APPROVED

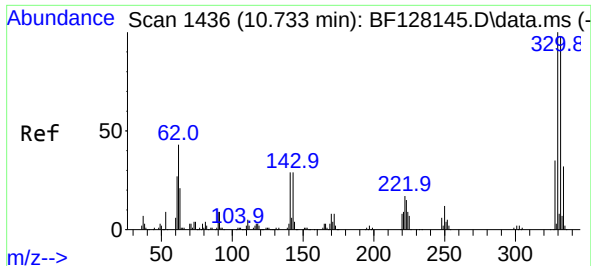
Reviewed By :Christian Giraldo 05/19/2022
Supervised By :Jagrut Upadhyay 05/19/2022



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.910 min Scan# 1296
Delta R.T. -0.006 min
Lab File: BF128325.D
Acq: 18 May 2022 21:53

Tgt Ion:164 Resp: 127530
Ion Ratio Lower Upper
164 100
162 97.2 76.0 114.0
160 43.3 34.8 52.2





#42
2,4,6-Tribromophenol
Concen: 37.259 ng
RT: 10.698 min Scan# 1436
Delta R.T. -0.012 min
Lab File: BF128325.D
Acq: 18 May 2022 21:53

Instrument :

BNA_F

ClientSampleId :

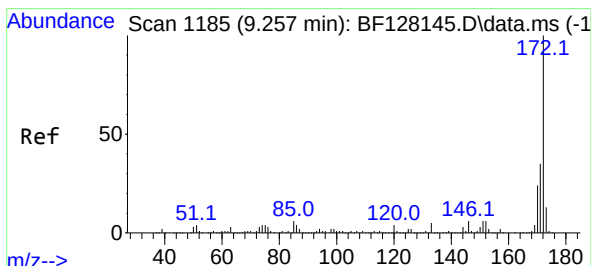
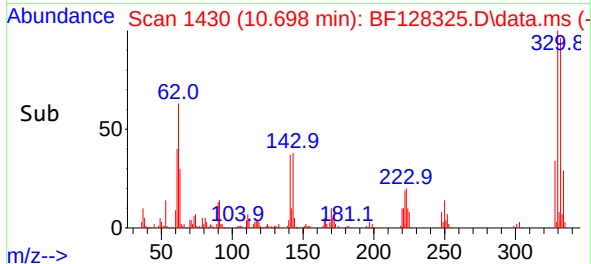
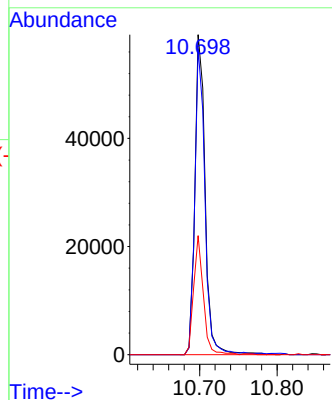
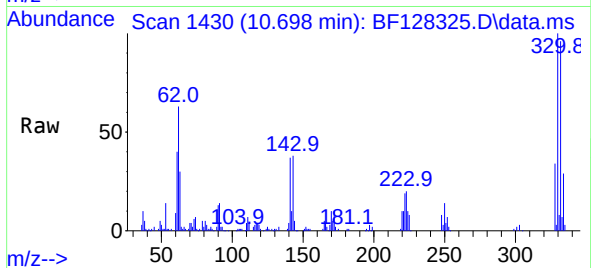
SU-04-051722

Tgt Ion:330 Resp: 54490
Ion Ratio Lower Upper
330 100
332 94.5 79.0 118.4
141 35.1 28.9 43.3

Manual Integrations

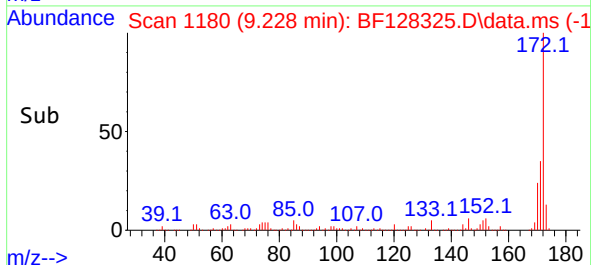
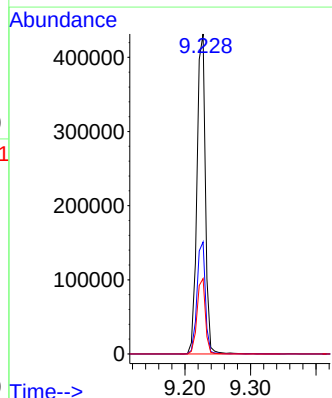
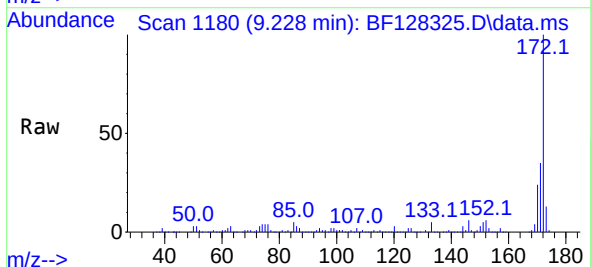
APPROVED

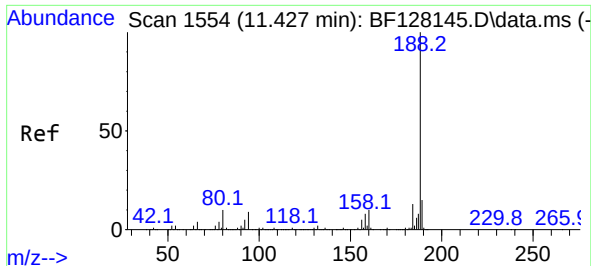
Reviewed By :Christian Giraldo 05/19/2022
Supervised By :Jagrut Upadhyay 05/19/2022



#45
2-Fluorobiphenyl
Concen: 47.281 ng
RT: 9.228 min Scan# 1180
Delta R.T. -0.006 min
Lab File: BF128325.D
Acq: 18 May 2022 21:53

Tgt Ion:172 Resp: 385363
Ion Ratio Lower Upper
172 100
171 35.0 28.6 42.8
170 23.6 19.1 28.7





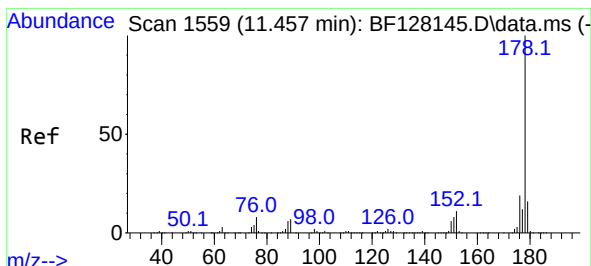
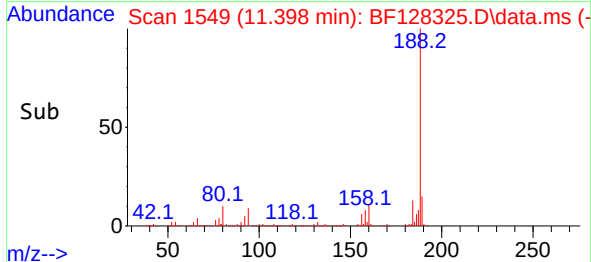
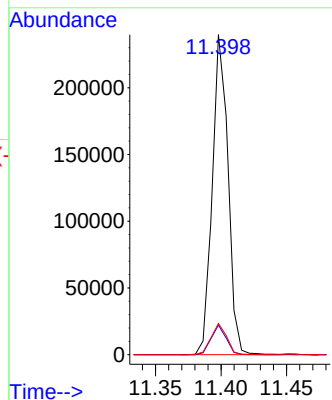
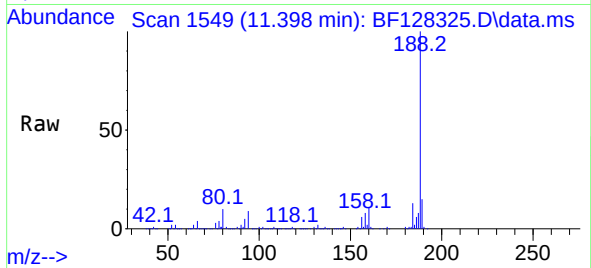
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.398 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF128325.D
Acq: 18 May 2022 21:53

Instrument :
BNA_F
ClientSampleId :
SU-04-051722

Tgt Ion:188 Resp: 20020
Ion Ratio Lower Upper
188 100
94 9.2 8.0 12.0
80 9.8 8.9 13.3

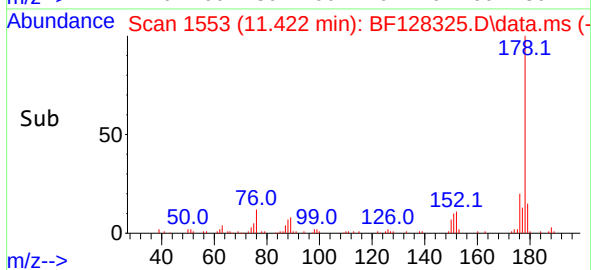
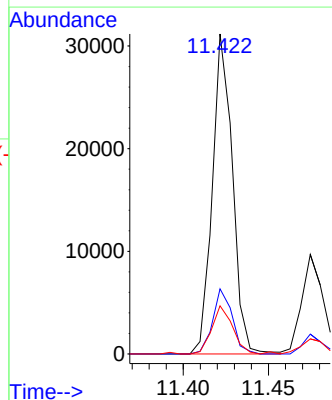
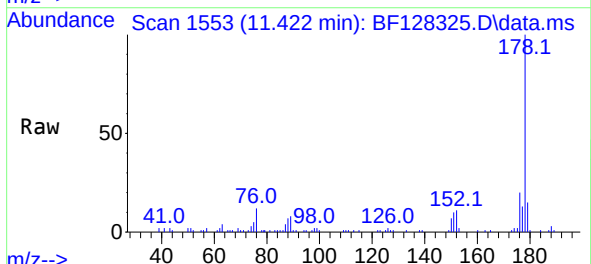
Manual Integrations
APPROVED

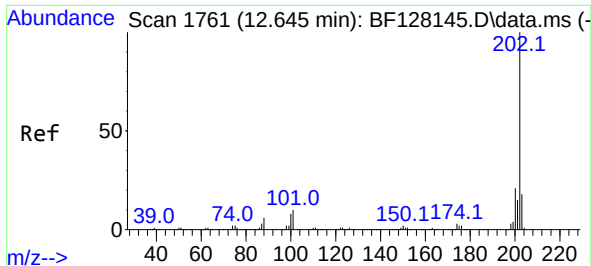
Reviewed By :Christian Giraldo 05/19/2022
Supervised By :Jagrut Upadhyay 05/19/2022



#71
Phenanthrene
Concen: 2.565 ng
RT: 11.422 min Scan# 1553
Delta R.T. -0.012 min
Lab File: BF128325.D
Acq: 18 May 2022 21:53

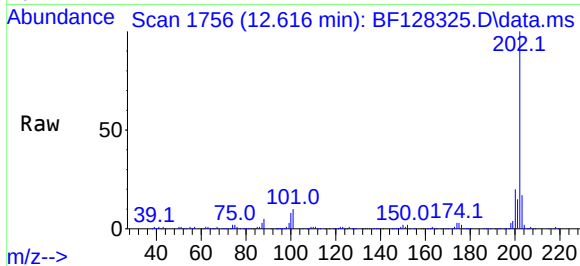
Tgt Ion:178 Resp: 25574
Ion Ratio Lower Upper
178 100
176 20.3 15.7 23.5
179 15.1 12.6 19.0





#75
Fluoranthene
Concen: 10.306 ng
RT: 12.616 min Scan# 11138
Delta R.T. -0.006 min
Lab File: BF128325.D
Acq: 18 May 2022 21:53

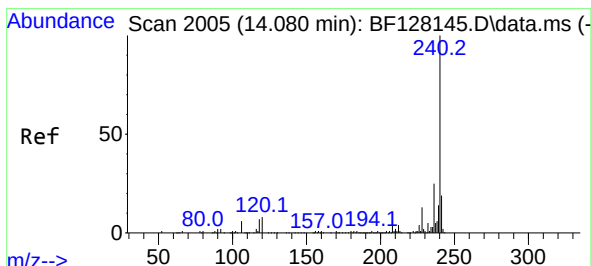
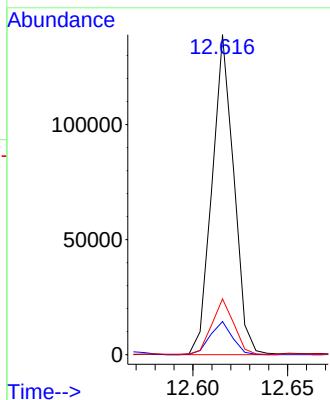
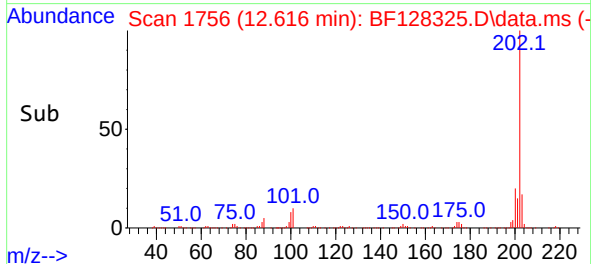
Instrument :
BNA_F
ClientSampleId :
SU-04-051722



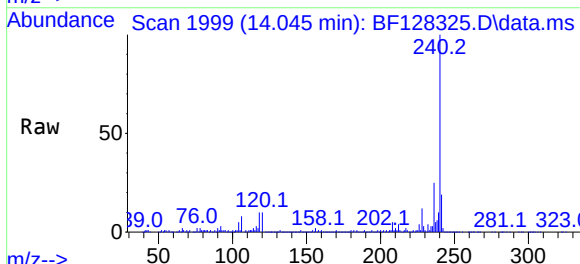
Tgt Ion:202 Resp: 11138
Ion Ratio Lower Upper
202 100
101 10.4 0.0 31.6
203 17.5 0.0 38.1

Manual Integrations
APPROVED

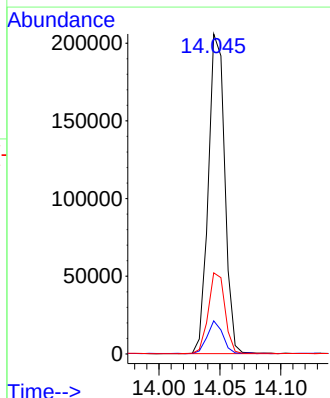
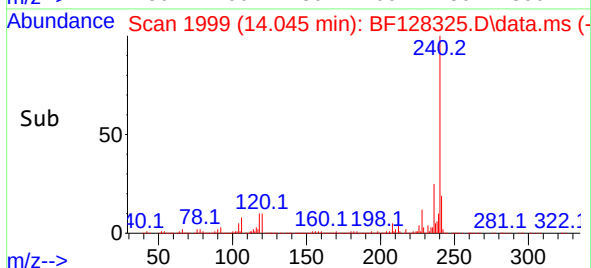
Reviewed By :Christian Giraldo 05/19/2022
Supervised By :Jagrut Upadhyay 05/19/2022

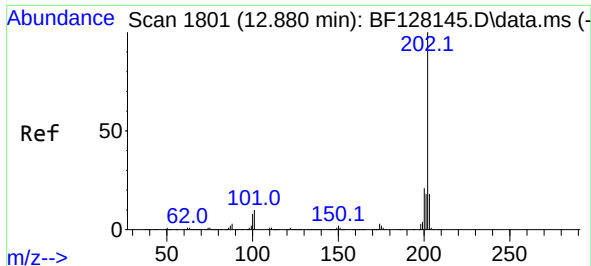


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 1999
Delta R.T. -0.012 min
Lab File: BF128325.D
Acq: 18 May 2022 21:53



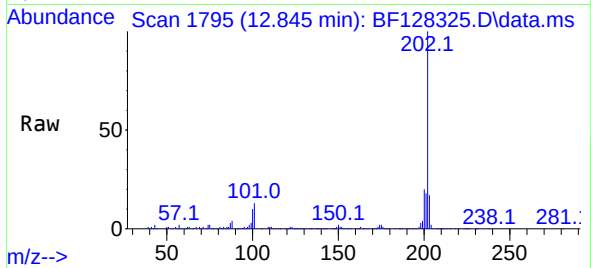
Tgt Ion:240 Resp: 192720
Ion Ratio Lower Upper
240 100
120 10.4 7.0 10.6
236 25.4 20.3 30.5





#78
Pyrene
Concen: 7.445 ng
RT: 12.845 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF128325.D
Acq: 18 May 2022 21:53

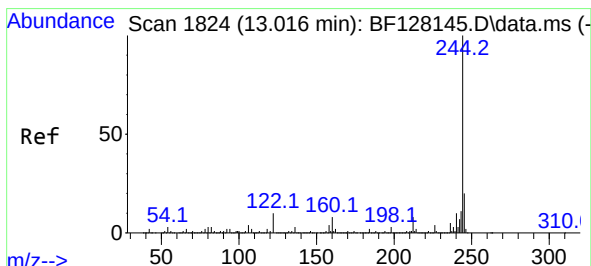
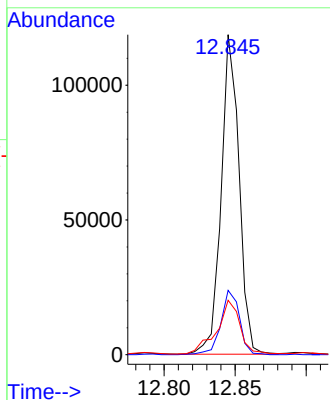
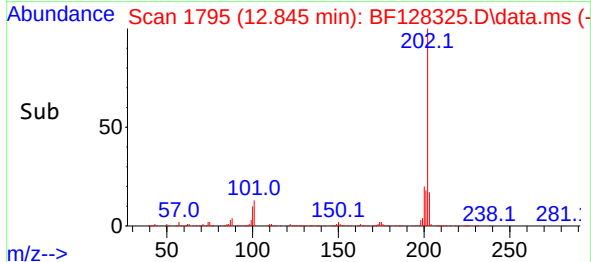
Instrument :
BNA_F
ClientSampleId :
SU-04-051722



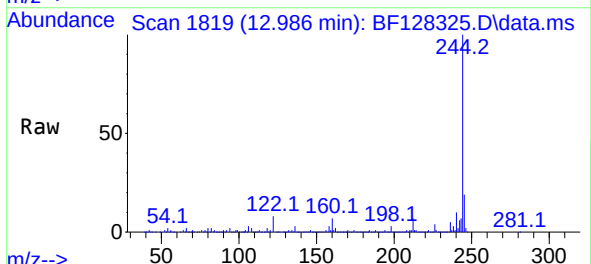
Tgt Ion:202 Resp: 104034
Ion Ratio Lower Upper
202 100
200 20.1 17.4 26.2
203 17.0 14.0 21.0

Manual Integrations
APPROVED

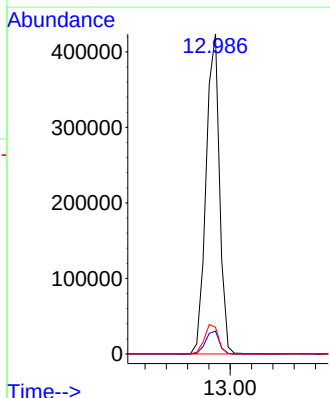
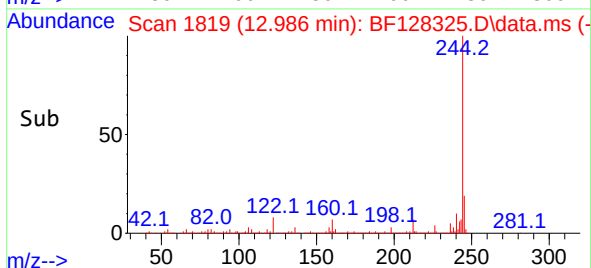
Reviewed By :Christian Giraldo 05/19/2022
Supervised By :Jagrut Upadhyay 05/19/2022

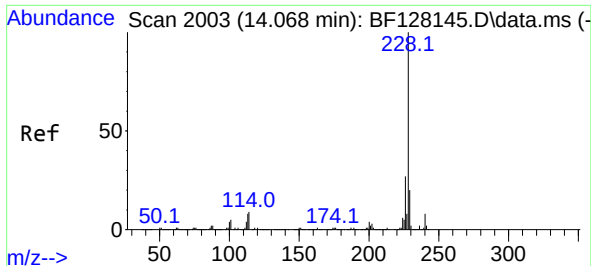


#79
Terphenyl-d14
Concen: 36.203 ng
RT: 12.986 min Scan# 1819
Delta R.T. -0.006 min
Lab File: BF128325.D
Acq: 18 May 2022 21:53



Tgt Ion:244 Resp: 371824
Ion Ratio Lower Upper
244 100
212 7.1 6.2 9.4
122 8.3 8.6 12.8#





#81
Benzo(a)anthracene
Concen: 5.152 ng
RT: 14.039 min Scan# 1998
Delta R.T. -0.006 min
Lab File: BF128325.D
Acq: 18 May 2022 21:53

Instrument :

BNA_F

ClientSampleId :

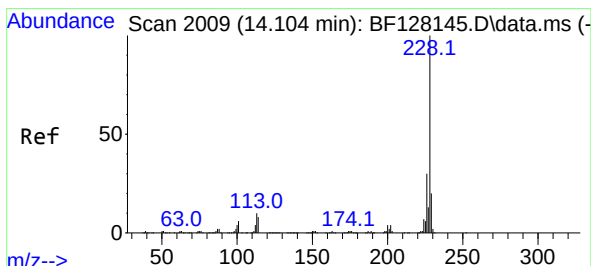
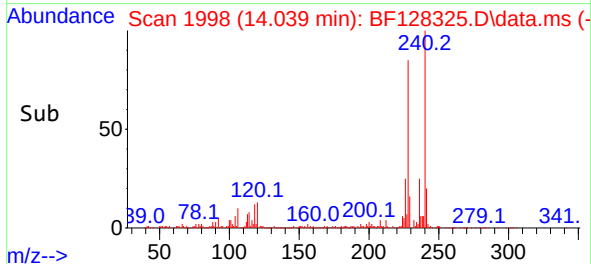
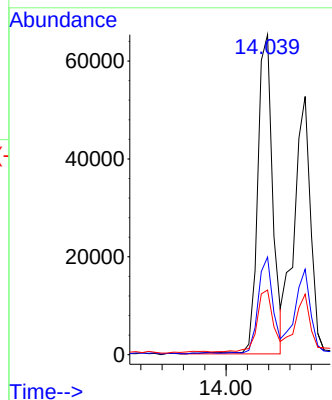
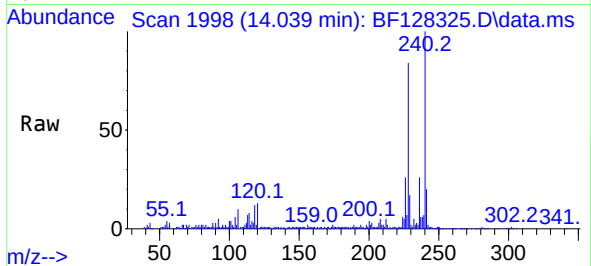
SU-04-051722

Tgt Ion:228 Resp: 6341
Ion Ratio Lower Upper
228 100
226 30.5 21.7 32.5
229 20.2 15.4 23.2

Manual Integrations

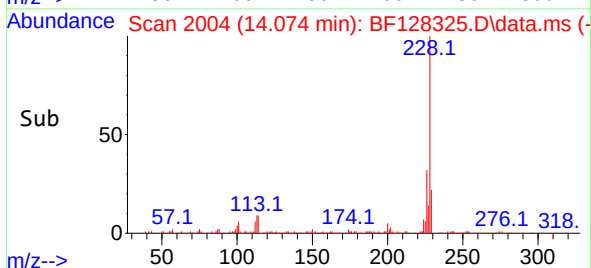
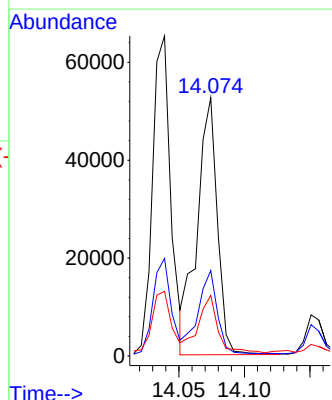
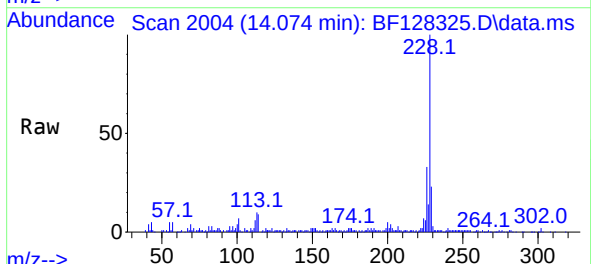
APPROVED

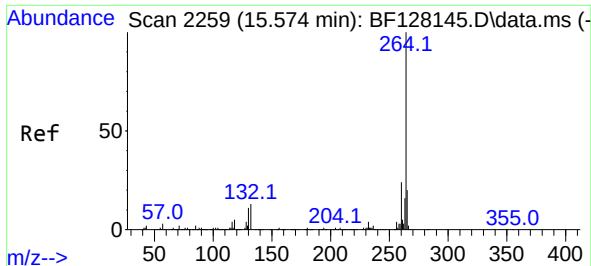
Reviewed By :Christian Giraldo 05/19/2022
Supervised By :Jagrut Upadhyay 05/19/2022



#83
Chrysene
Concen: 4.830 ng
RT: 14.074 min Scan# 2004
Delta R.T. -0.006 min
Lab File: BF128325.D
Acq: 18 May 2022 21:53

Tgt Ion:228 Resp: 56732
Ion Ratio Lower Upper
228 100
226 33.1 24.4 36.6
229 23.5 15.8 23.8





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.539 min Scan# 2109
Delta R.T. -0.006 min
Lab File: BF128325.D
Acq: 18 May 2022 21:53

Instrument :

BNA_F

ClientSampleId :

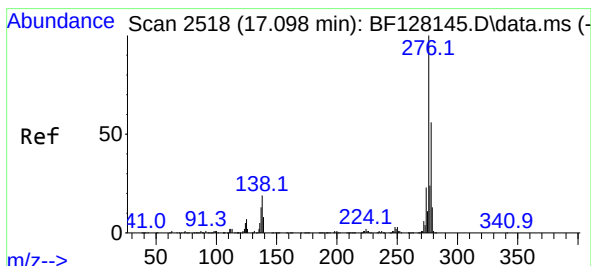
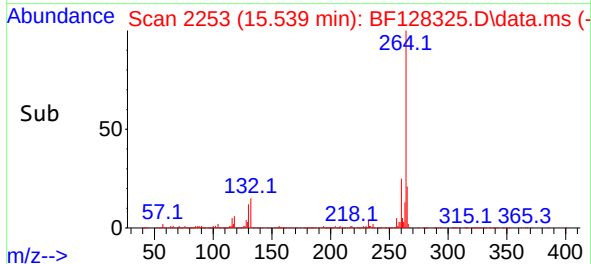
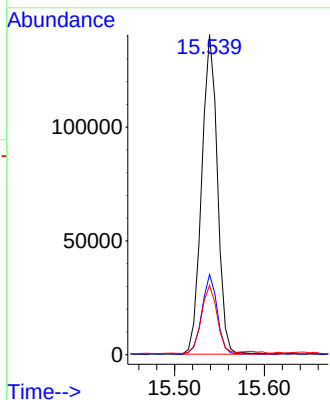
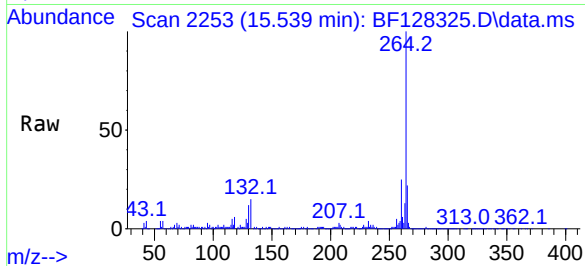
SU-04-051722

Tgt Ion:264 Resp: 171028
Ion Ratio Lower Upper
264 100
260 25.1 20.1 30.1
265 21.7 17.5 26.3

Manual Integrations

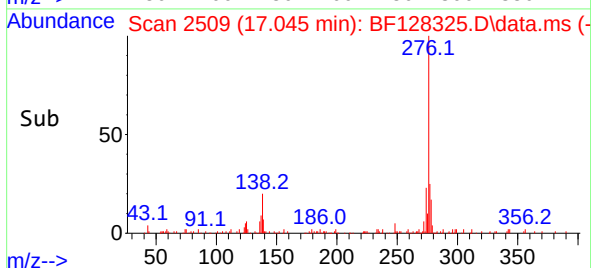
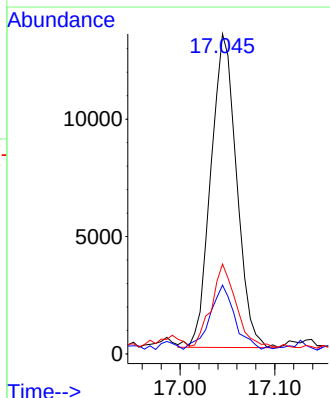
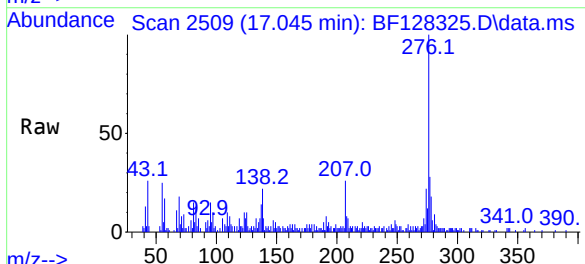
APPROVED

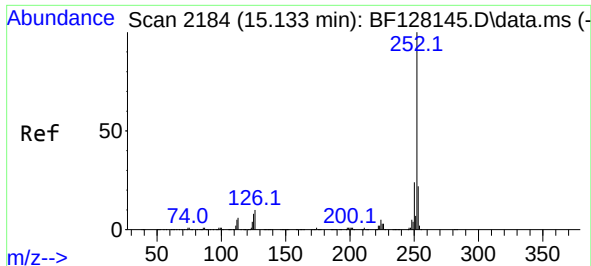
Reviewed By :Christian Giraldo 05/19/2022
Supervised By :Jagrut Upadhyay 05/19/2022



#87
Indeno(1,2,3-cd)pyrene
Concen: 2.440 ng
RT: 17.045 min Scan# 2509
Delta R.T. -0.018 min
Lab File: BF128325.D
Acq: 18 May 2022 21:53

Tgt Ion:276 Resp: 25239
Ion Ratio Lower Upper
276 100
138 19.9 19.0 28.4
277 25.6 20.1 30.1





#88
Benzo(b)fluoranthene
Concen: 7.193 ng m
RT: 15.098 min Scan# 2184
Delta R.T. -0.006 min
Lab File: BF128325.D
Acq: 18 May 2022 21:53

Instrument :

BNA_F

ClientSampleId :

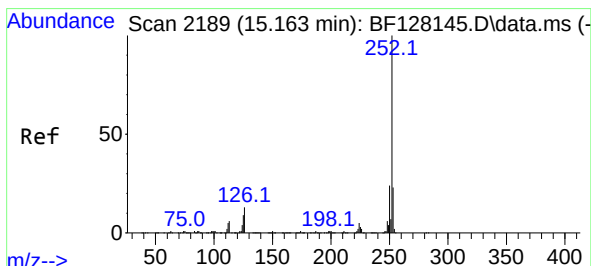
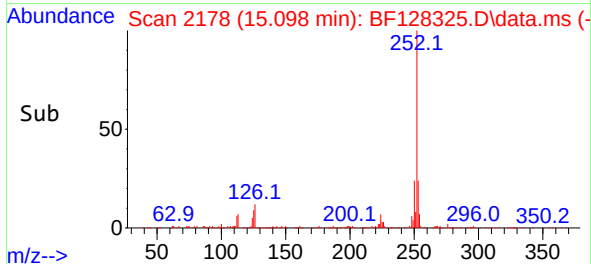
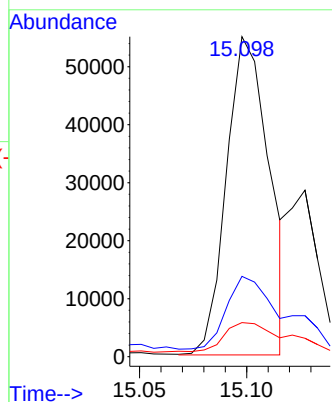
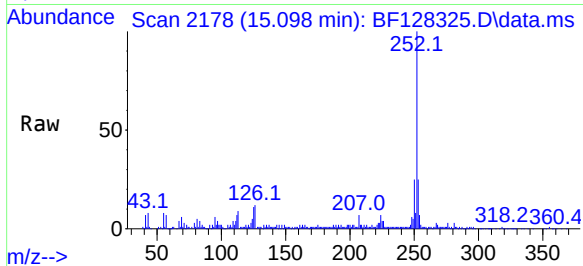
SU-04-051722

Tgt Ion:252 Resp: 7626
Ion Ratio Lower Upper
252 100
253 25.1 17.4 26.2
125 10.7 7.4 11.2

Manual Integrations

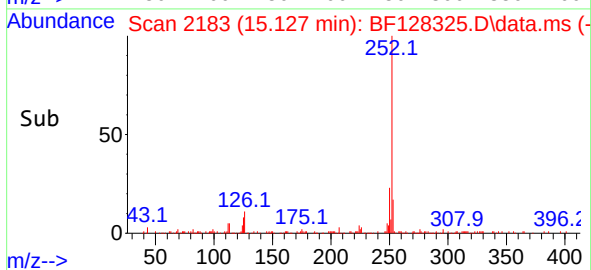
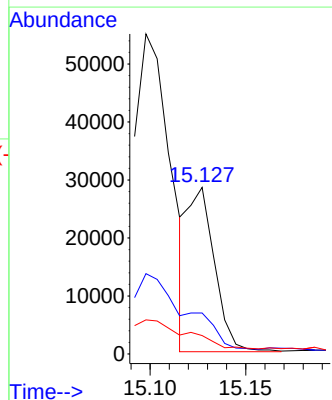
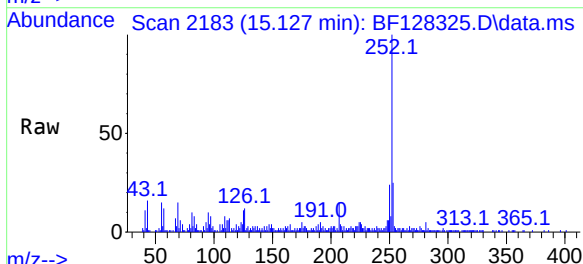
APPROVED

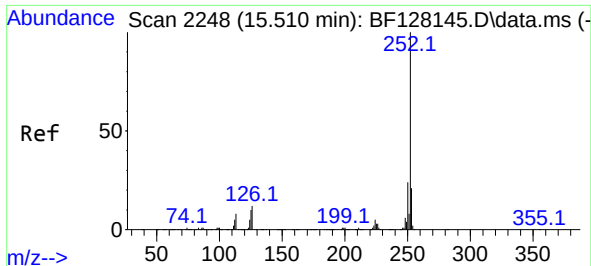
Reviewed By :Christian Giraldo 05/19/2022
Supervised By :Jagrut Upadhyay 05/19/2022



#89
Benzo(k)fluoranthene
Concen: 2.630 ng m
RT: 15.127 min Scan# 2183
Delta R.T. -0.006 min
Lab File: BF128325.D
Acq: 18 May 2022 21:53

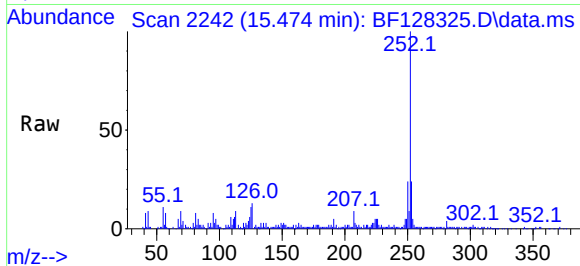
Tgt Ion:252 Resp: 27522
Ion Ratio Lower Upper
252 100
253 24.6 17.0 25.4
125 11.1 6.8 10.2#





#90
Benzo(a)pyrene
Concen: 6.103 ng
RT: 15.474 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF128325.D
Acq: 18 May 2022 21:53

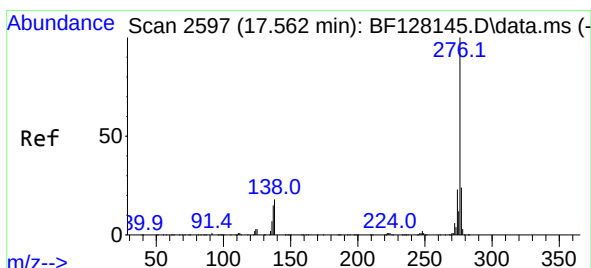
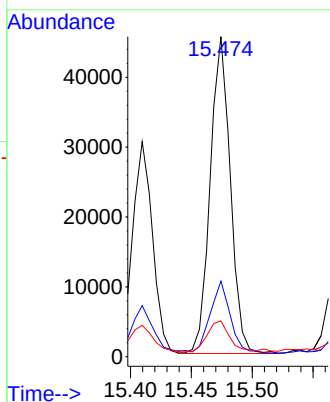
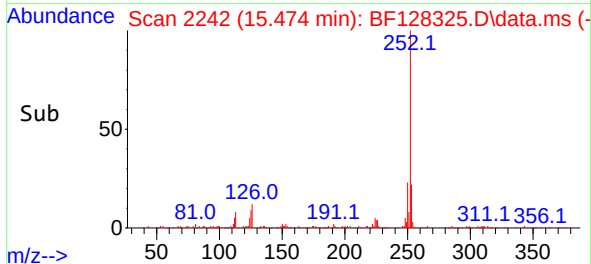
Instrument :
BNA_F
ClientSampleId :
SU-04-051722



Tgt Ion:252 Resp: 52240
Ion Ratio Lower Upper
252 100
253 23.6 17.8 26.6
125 11.2 9.2 13.8

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 05/19/2022
Supervised By :Jagrut Upadhyay 05/19/2022



#92
Benzo(g,h,i)perylene
Concen: 2.881 ng
RT: 17.503 min Scan# 2587
Delta R.T. -0.018 min
Lab File: BF128325.D
Acq: 18 May 2022 21:53

Tgt Ion:276 Resp: 24430
Ion Ratio Lower Upper
276 100
277 29.5 18.8 28.2#
138 21.3 16.2 24.2

