

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051322\
 Data File : BF128250.D
 Acq On : 13 May 2022 20:37
 Operator : CG\JU
 Sample : N2823-06 5X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SC-6

Manual Integrations
 APPROVED

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

Quant Time: May 14 00:57:17 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	59982	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	228733	20.000	ng	0.00
39) Acenaphthene-d10	9.928	164	125101	20.000	ng	0.00
64) Phenanthrene-d10	11.422	188	191357	20.000	ng	0.00
76) Chrysene-d12	14.068	240	140147	20.000	ng	0.00
86) Perylene-d12	15.562	264	119024	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	56375	14.983	ng	0.00
7) Phenol-d6	6.510	99	86288	17.338	ng	-0.02
23) Nitrobenzene-d5	7.445	82	63651	12.521	ng	-0.02
42) 2,4,6-Tribromophenol	10.722	330	7746	5.399	ng	0.00
45) 2-Fluorobiphenyl	9.239	172	115924	14.499	ng	-0.01
79) Terphenyl-d14	12.998	244	97969	13.117	ng	-0.01
Target Compounds						Qvalue
71) Phenanthrene	11.451	178	1153525	121.062	ng	100
72) Anthracene	11.498	178	125800	13.224	ng	99
73) Carbazole	11.651	167	182566	20.181	ng	99
75) Fluoranthene	12.651	202	1682600	162.881	ng	97
78) Pyrene	12.880	202	1256202	123.619	ng	99
81) Benzo(a)anthracene	14.057	228	453175	50.625	ng	100
83) Chrysene	14.098	228	351636	41.169	ng	98
87) Indeno(1,2,3-cd)pyrene	17.074	276	108018	15.003	ng	# 93
88) Benzo(b)fluoranthene	15.121	252	350151m	47.457	ng	
89) Benzo(k)fluoranthene	15.145	252	118035m	16.206	ng	
90) Benzo(a)pyrene	15.498	252	226809	38.077	ng	97
91) Dibenzo(a,h)anthracene	17.080	278	28082	4.818	ng	# 91
92) Benzo(g,h,i)perylene	17.533	276	94529	16.016	ng	95

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

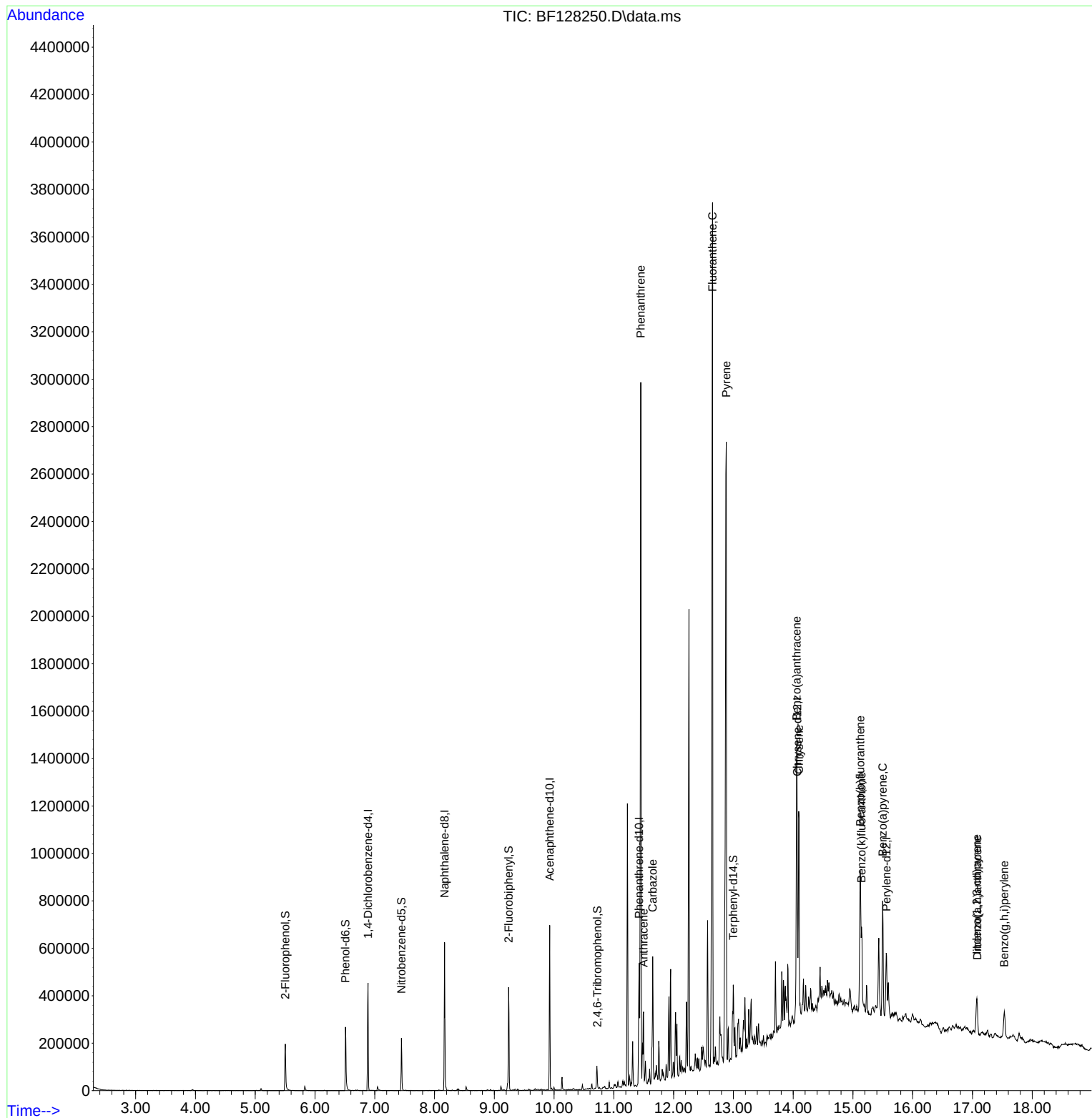
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051322\
Data File : BF128250.D
Acq On : 13 May 2022 20:37
Operator : CG\JU
Sample : N2823-06 5X
Misc :
ALS Vial : 16 Sample Multiplier: 1

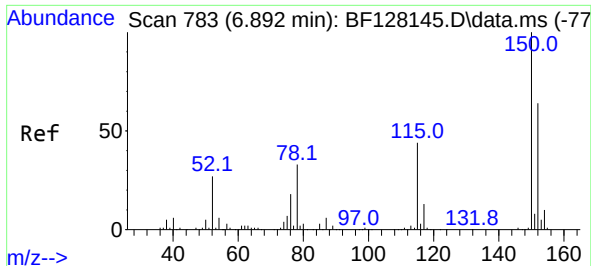
Instrument :
BNA_F
ClientSampleId :
SC-6

Quant Time: May 14 00:57:17 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

Manual Integrations
APPROVED

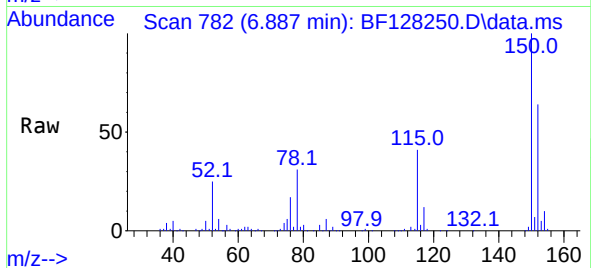
Reviewed By :Christian Giraldo 05/16/2022
Supervised By :Jagrut Upadhyay 05/16/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.887 min Scan# 70
Delta R.T. -0.000 min
Lab File: BF128250.D
Acq: 13 May 2022 20:37

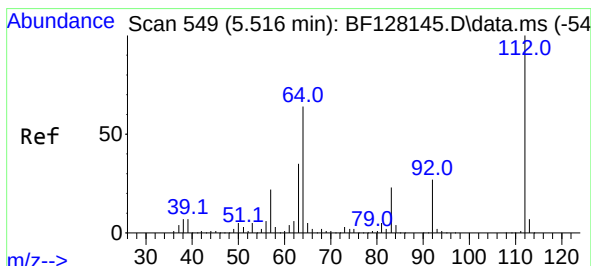
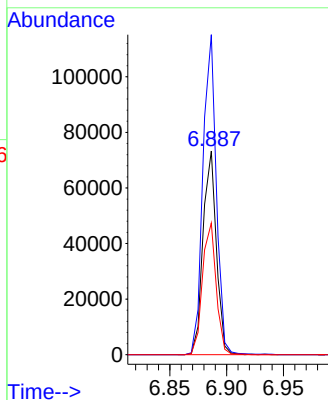
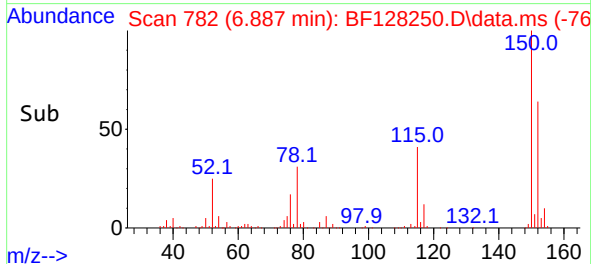
Instrument :
BNA_F
ClientSampleId :
SC-6



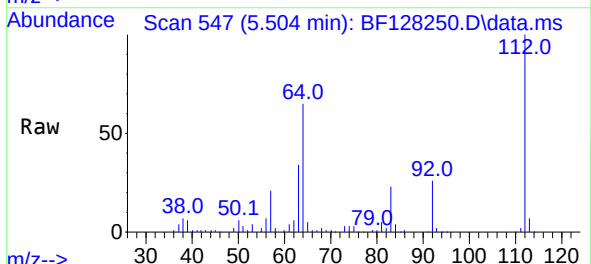
Tgt Ion:152 Resp: 5998
Ion Ratio Lower Upper
152 100
150 157.1 125.3 187.9
115 64.6 48.8 73.2

Manual Integrations
APPROVED

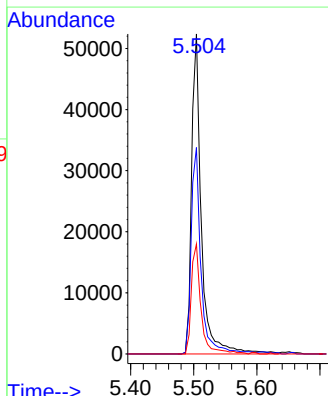
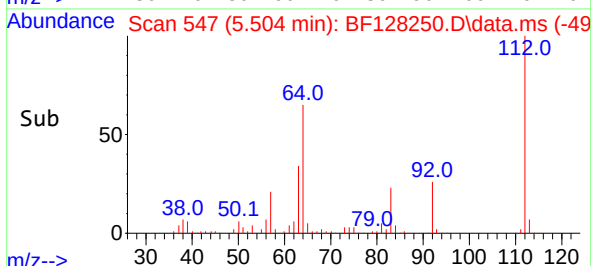
Reviewed By :Christian Giraldo 05/16/2022
Supervised By :Jagrut Upadhyay 05/16/2022

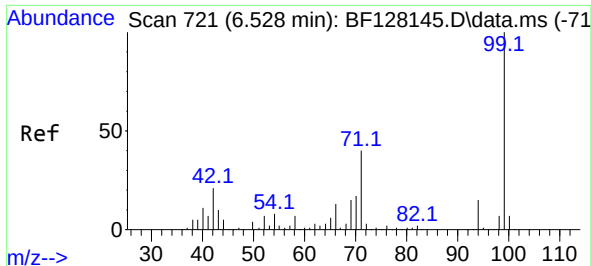


#5
2-Fluorophenol
Concen: 14.983 ng
RT: 5.504 min Scan# 547
Delta R.T. -0.006 min
Lab File: BF128250.D
Acq: 13 May 2022 20:37



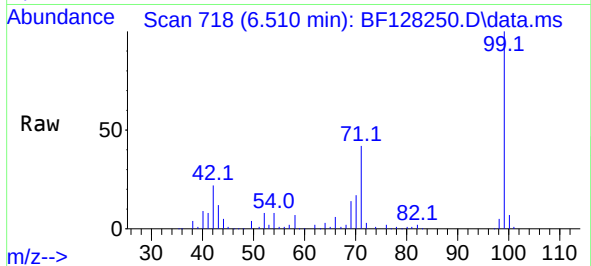
Tgt Ion:112 Resp: 56375
Ion Ratio Lower Upper
112 100
64 64.5 49.5 74.3
63 34.4 26.3 39.5





#7
Phenol-d6
Concen: 17.338 ng
RT: 6.510 min Scan# 71
Delta R.T. -0.018 min
Lab File: BF128250.D
Acq: 13 May 2022 20:37

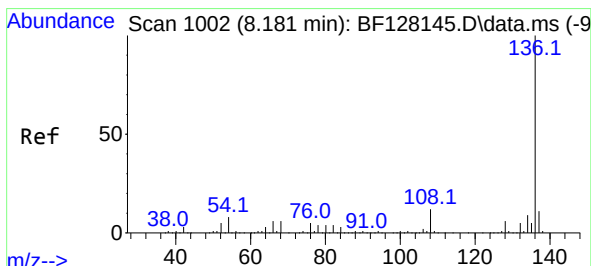
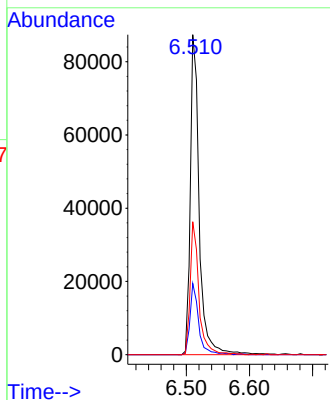
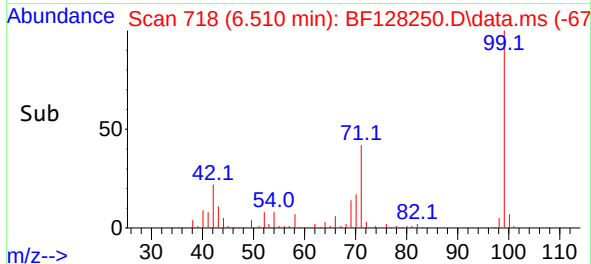
Instrument :
BNA_F
ClientSampleId :
SC-6



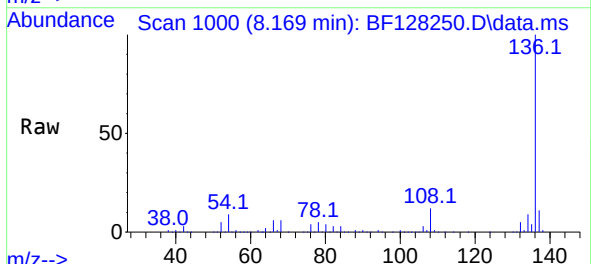
Tgt Ion: 99 Resp: 86288
Ion Ratio Lower Upper
99 100
42 22.2 16.6 24.8
71 41.5 30.0 45.0

Manual Integrations
APPROVED

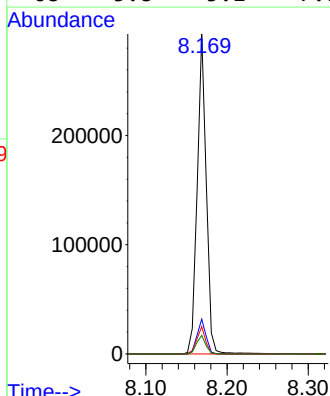
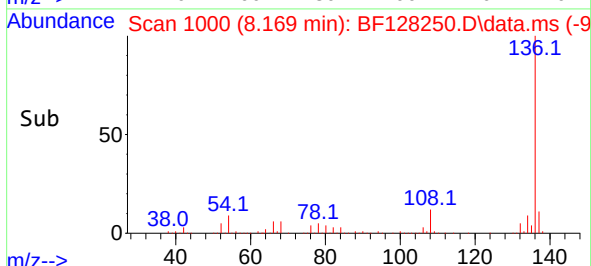
Reviewed By :Christian Giraldo 05/16/2022
Supervised By :Jagrut Upadhyay 05/16/2022

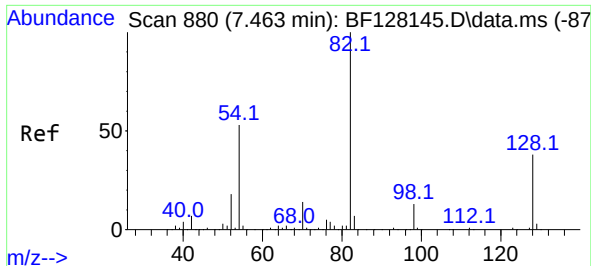


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.169 min Scan# 1000
Delta R.T. -0.006 min
Lab File: BF128250.D
Acq: 13 May 2022 20:37



Tgt Ion:136 Resp: 228733
Ion Ratio Lower Upper
136 100
137 10.9 8.6 13.0
54 8.5 6.8 10.2
68 5.8 5.1 7.7





#23

Nitrobenzene-d5

Concen: 12.521 ng

RT: 7.445 min Scan# 81

Delta R.T. -0.018 min

Lab File: BF128250.D

Acq: 13 May 2022 20:37

Instrument :

BNA_F

ClientSampleId :

SC-6

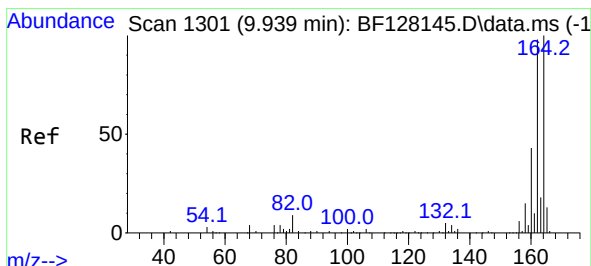
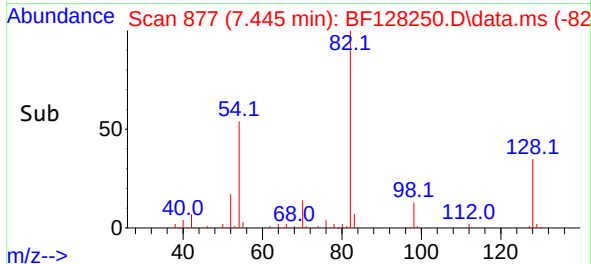
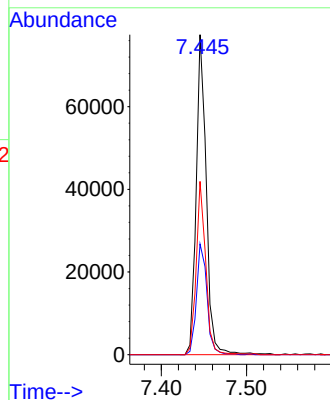
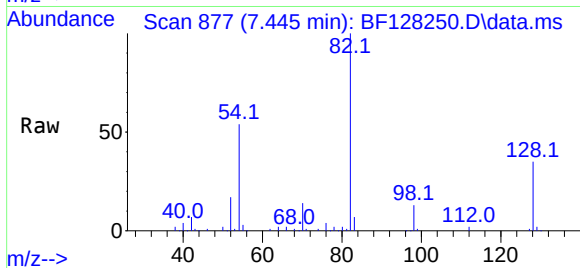
Tgt Ion: 82 Resp: 6365

Ion	Ratio	Lower	Upper
82	100		
128	34.6	30.0	45.0
54	54.1	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

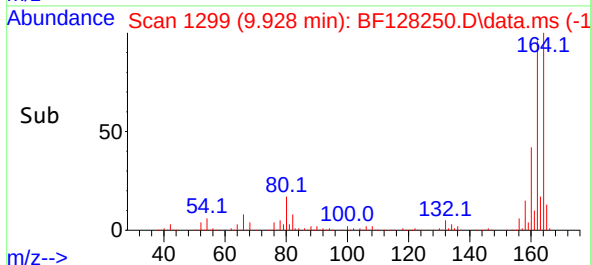
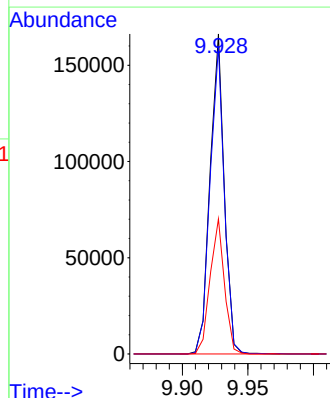
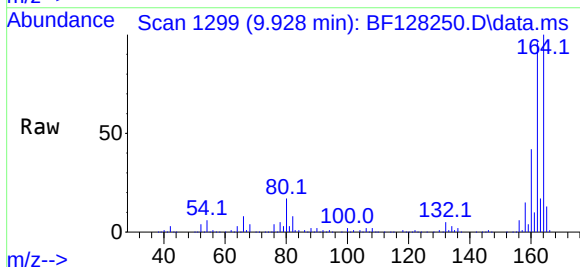
Delta R.T. -0.006 min

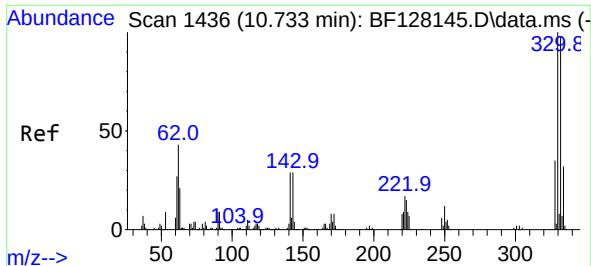
Lab File: BF128250.D

Acq: 13 May 2022 20:37

Tgt Ion:164 Resp: 125101

Ion	Ratio	Lower	Upper
164	100		
162	96.2	76.0	114.0
160	42.2	34.8	52.2





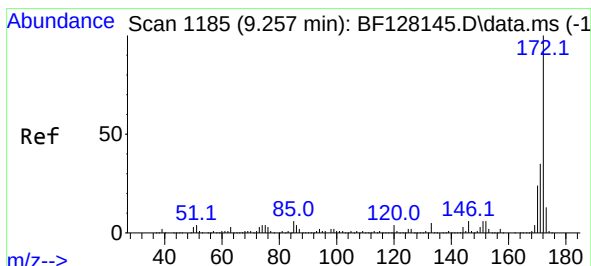
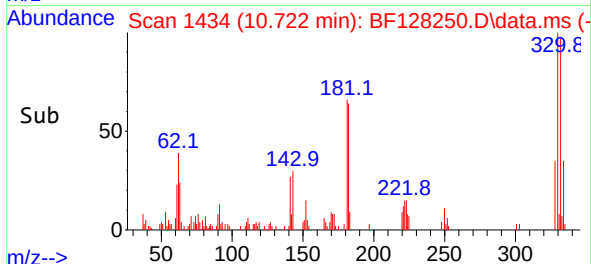
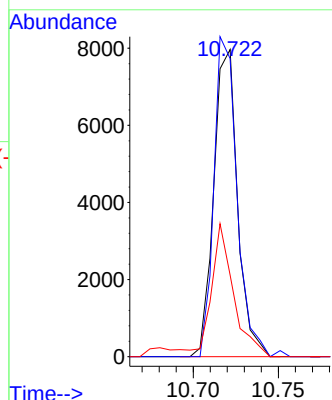
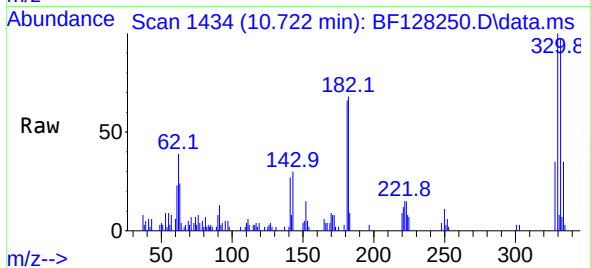
#42
2,4,6-Tribromophenol
Concen: 5.399 ng
RT: 10.722 min Scan# 1434
Delta R.T. -0.006 min
Lab File: BF128250.D
Acq: 13 May 2022 20:37

Instrument :
BNA_F
ClientSampleId :
SC-6

Tgt Ion: 330 Resp: 7740
Ion Ratio Lower Upper
330 100
332 101.1 79.0 118.4
141 39.6 28.9 43.3

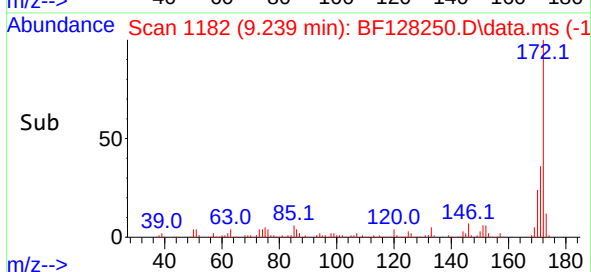
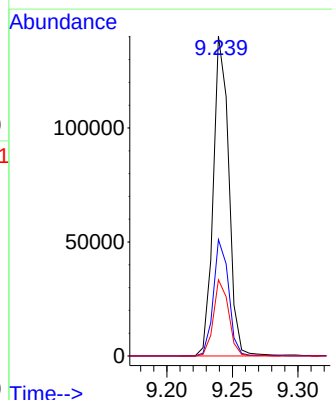
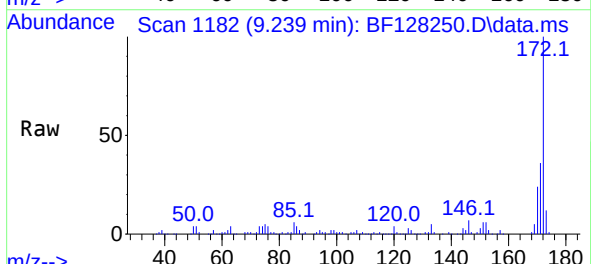
Manual Integrations
APPROVED

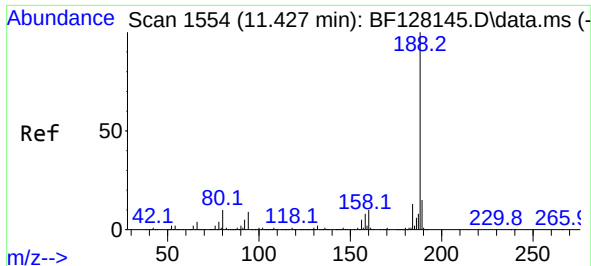
Reviewed By : Christian Giraldo 05/16/2022
Supervised By : Jagrut Upadhyay 05/16/2022



#45
2-Fluorobiphenyl
Concen: 14.499 ng
RT: 9.239 min Scan# 1182
Delta R.T. -0.012 min
Lab File: BF128250.D
Acq: 13 May 2022 20:37

Tgt Ion: 172 Resp: 115924
Ion Ratio Lower Upper
172 100
171 36.3 28.6 42.8
170 23.8 19.1 28.7





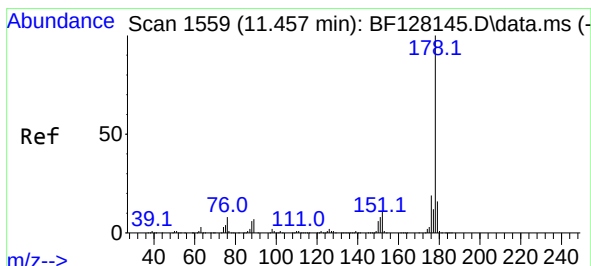
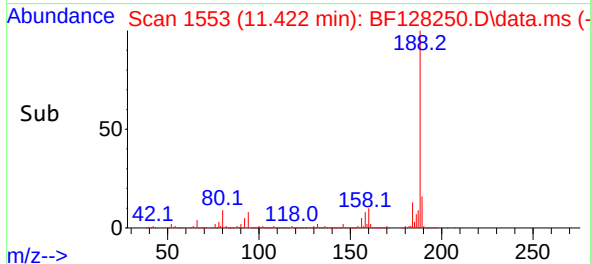
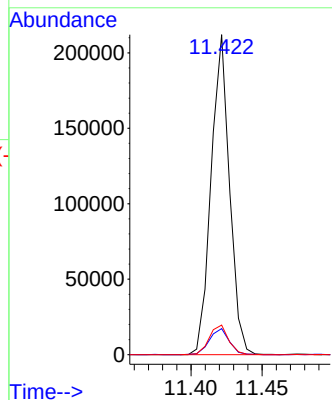
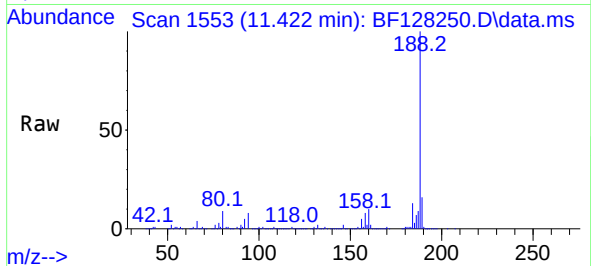
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.422 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF128250.D
Acq: 13 May 2022 20:37

Instrument :
BNA_F
ClientSampleId :
SC-6

Tgt Ion:188 Resp: 19135
Ion Ratio Lower Upper
188 100
94 8.2 8.0 12.0
80 9.2 8.9 13.3

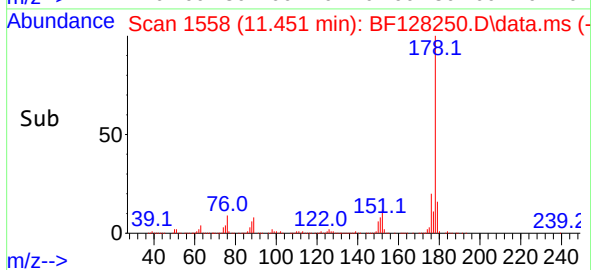
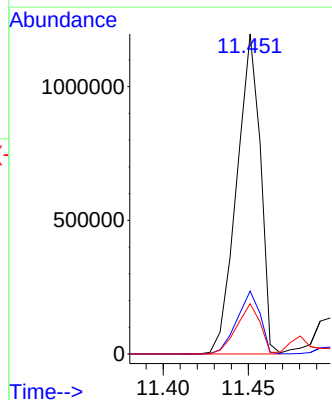
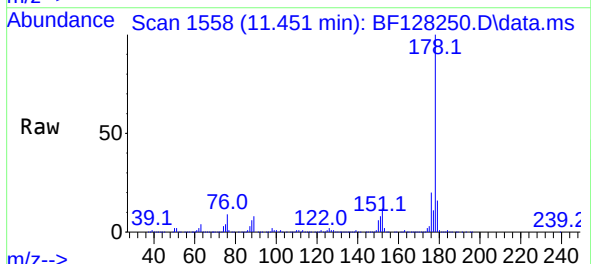
Manual Integrations
APPROVED

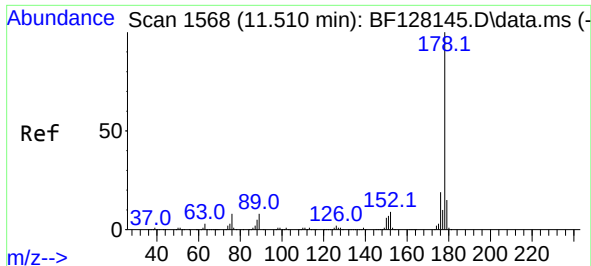
Reviewed By :Christian Giraldo 05/16/2022
Supervised By :Jagrut Upadhyay 05/16/2022



#71
Phenanthrene
Concen: 121.062 ng
RT: 11.451 min Scan# 1558
Delta R.T. -0.000 min
Lab File: BF128250.D
Acq: 13 May 2022 20:37

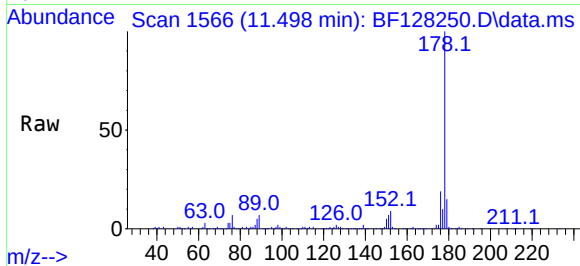
Tgt Ion:178 Resp: 1153525
Ion Ratio Lower Upper
178 100
176 19.7 15.7 23.5
179 15.7 12.6 19.0





#72
 Anthracene
 Concen: 13.224 ng
 RT: 11.498 min Scan# 1568
 Delta R.T. -0.006 min
 Lab File: BF128250.D
 Acq: 13 May 2022 20:37

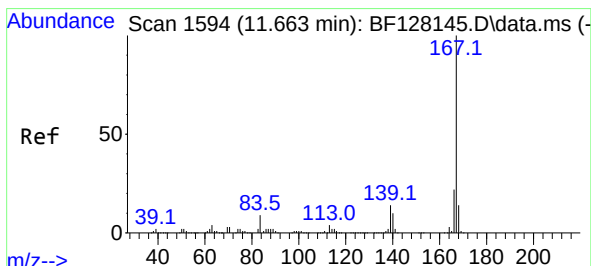
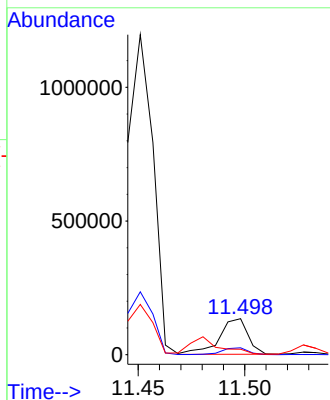
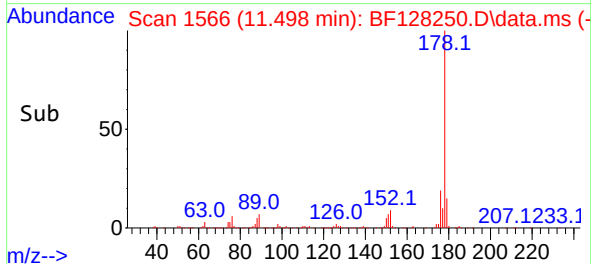
Instrument :
 BNA_F
 ClientSampleId :
 SC-6



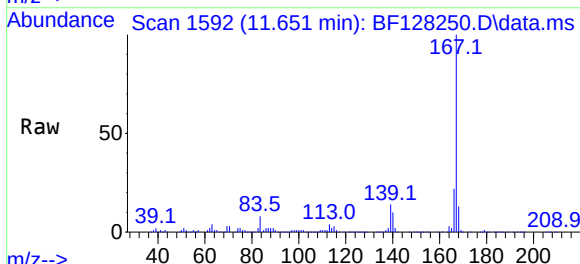
Tgt Ion:178 Resp: 125800
 Ion Ratio Lower Upper
 178 100
 176 19.1 15.0 22.6
 179 15.0 12.4 18.6

Manual Integrations
 APPROVED

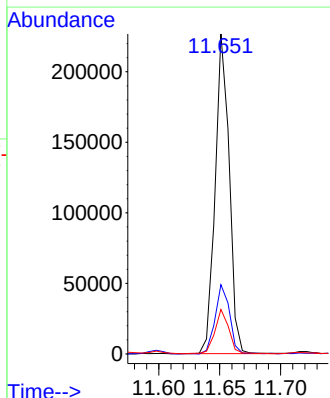
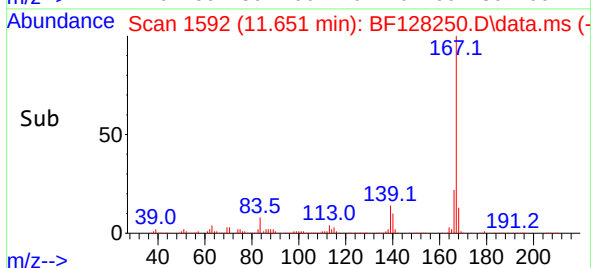
Reviewed By :Christian Giraldo 05/16/2022
 Supervised By :Jagrut Upadhyay 05/16/2022

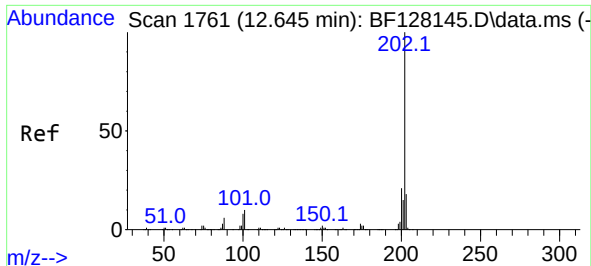


#73
 Carbazole
 Concen: 20.181 ng
 RT: 11.651 min Scan# 1592
 Delta R.T. -0.006 min
 Lab File: BF128250.D
 Acq: 13 May 2022 20:37



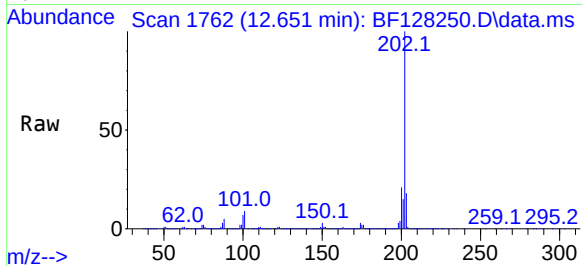
Tgt Ion:167 Resp: 182566
 Ion Ratio Lower Upper
 167 100
 166 21.7 17.6 26.4
 139 13.9 10.7 16.1





#75
Fluoranthene
Concen: 162.881 ng
RT: 12.651 min Scan# 11
Delta R.T. 0.012 min
Lab File: BF128250.D
Acq: 13 May 2022 20:37

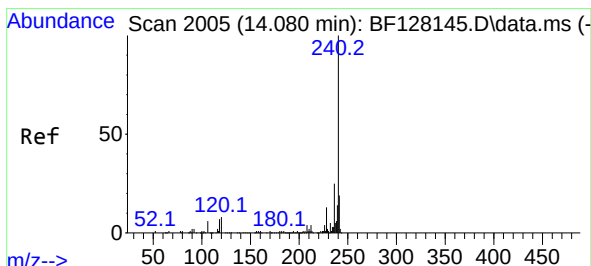
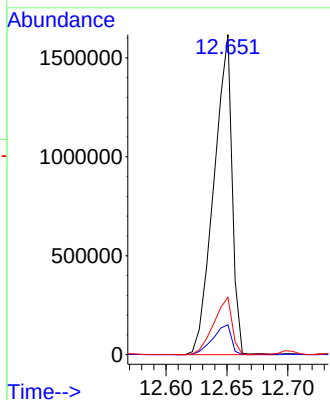
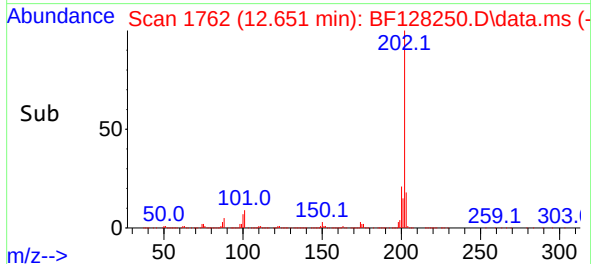
Instrument :
BNA_F
ClientSampleId :
SC-6



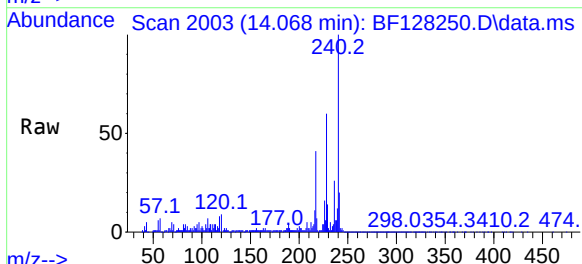
Tgt Ion:202 Resp: 1682600
Ion Ratio Lower Upper
202 100
101 9.3 0.0 31.6
203 17.9 0.0 38.1

Manual Integrations
APPROVED

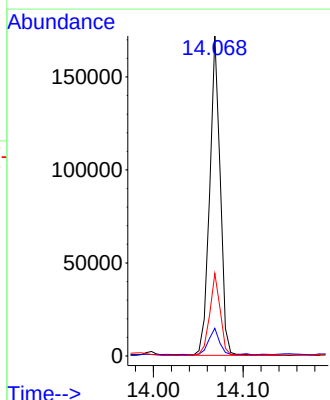
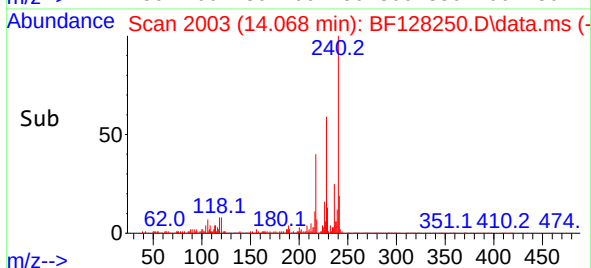
Reviewed By :Christian Giraldo 05/16/2022
Supervised By :Jagrut Upadhyay 05/16/2022

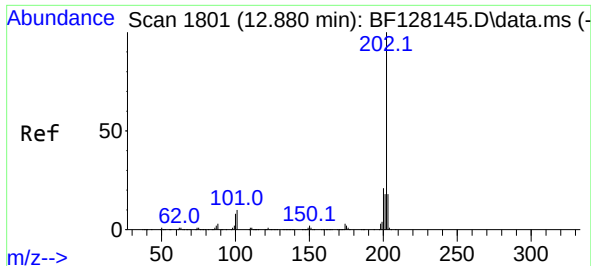


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.068 min Scan# 2003
Delta R.T. 0.000 min
Lab File: BF128250.D
Acq: 13 May 2022 20:37



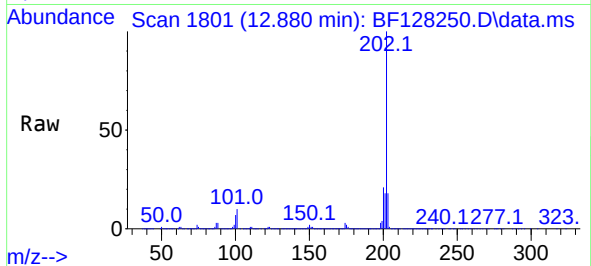
Tgt Ion:240 Resp: 140147
Ion Ratio Lower Upper
240 100
120 8.7 7.0 10.6
236 25.8 20.3 30.5





#78
Pyrene
Concen: 123.619 ng
RT: 12.880 min Scan# 1801
Delta R.T. 0.012 min
Lab File: BF128250.D
Acq: 13 May 2022 20:37

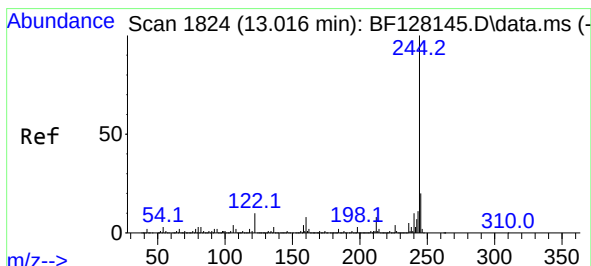
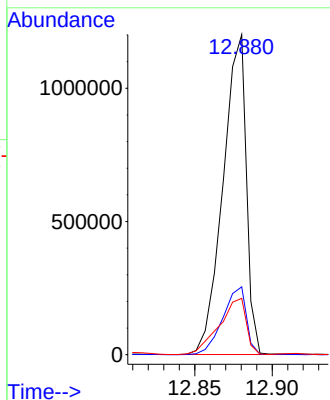
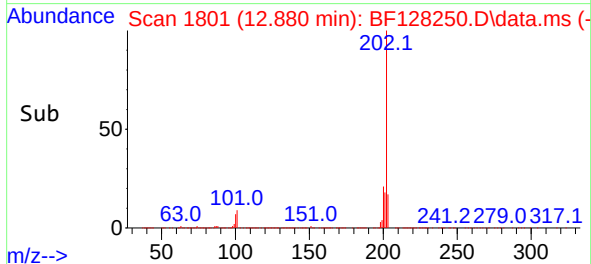
Instrument :
BNA_F
ClientSampleId :
SC-6



Tgt Ion:202 Resp: 125620
Ion Ratio Lower Upper
202 100
200 21.2 17.4 26.2
203 17.6 14.0 21.0

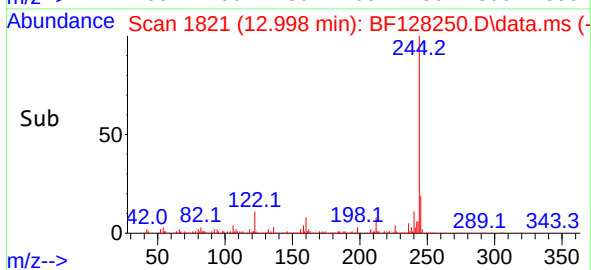
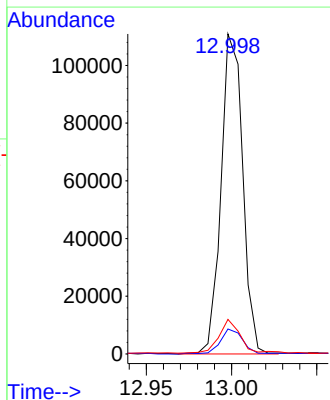
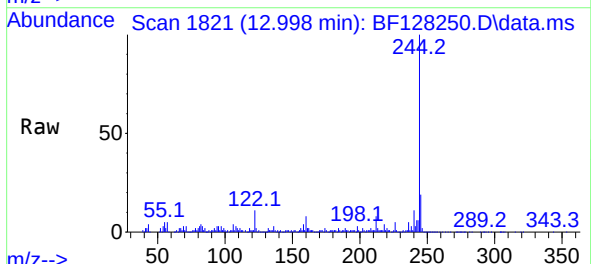
Manual Integrations
APPROVED

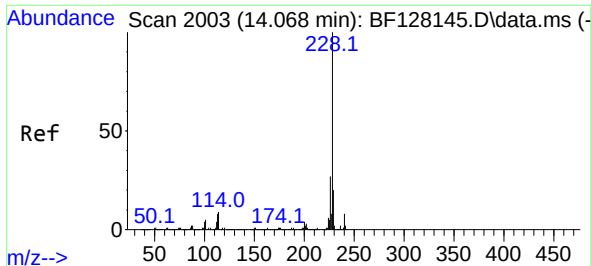
Reviewed By :Christian Giraldo 05/16/2022
Supervised By :Jagrut Upadhyay 05/16/2022



#79
Terphenyl-d14
Concen: 13.117 ng
RT: 12.998 min Scan# 1821
Delta R.T. -0.012 min
Lab File: BF128250.D
Acq: 13 May 2022 20:37

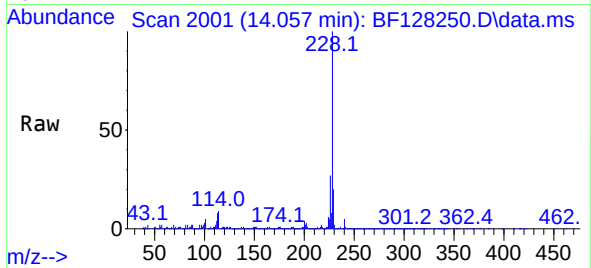
Tgt Ion:244 Resp: 97969
Ion Ratio Lower Upper
244 100
212 7.8 6.2 9.4
122 10.8 8.6 12.8





#81
Benzo(a)anthracene
Concen: 50.625 ng
RT: 14.057 min Scan# 2003
Delta R.T. 0.000 min
Lab File: BF128250.D
Acq: 13 May 2022 20:37

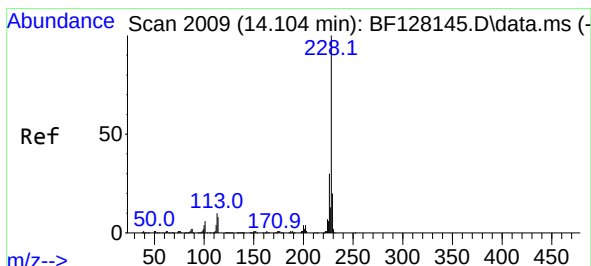
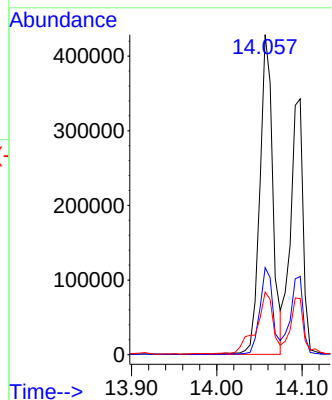
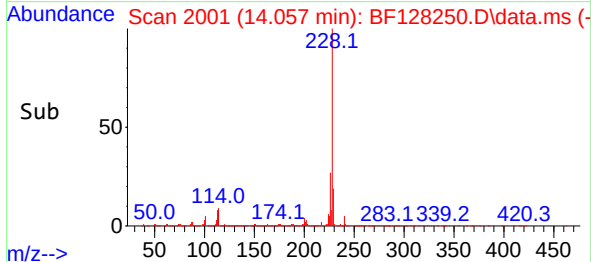
Instrument :
BNA_F
ClientSampleId :
SC-6



Tgt Ion:228 Resp: 45317
Ion Ratio Lower Upper
228 100
226 27.2 21.7 32.5
229 19.6 15.4 23.2

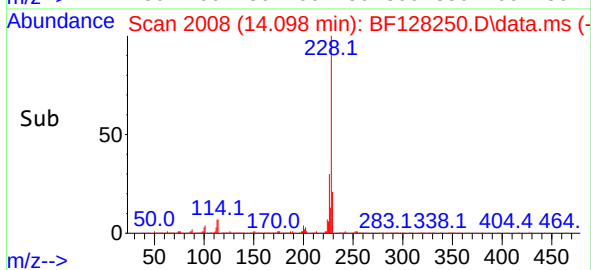
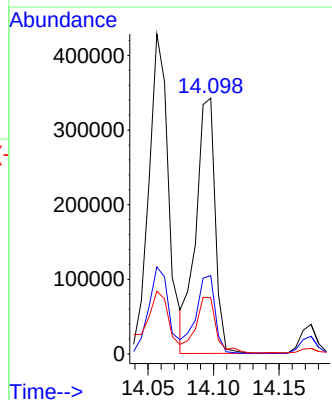
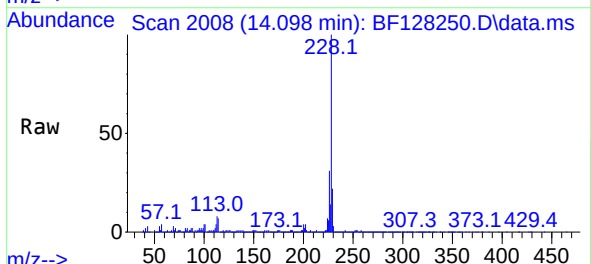
Manual Integrations
APPROVED

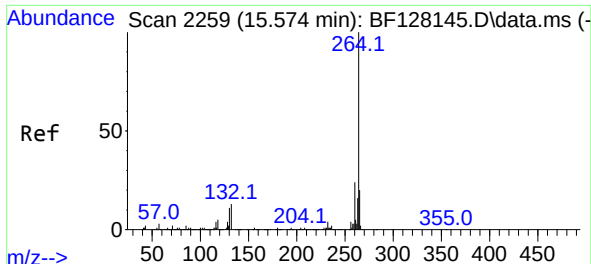
Reviewed By :Christian Giraldo 05/16/2022
Supervised By :Jagrut Upadhyay 05/16/2022



#83
Chrysene
Concen: 41.169 ng
RT: 14.098 min Scan# 2008
Delta R.T. -0.000 min
Lab File: BF128250.D
Acq: 13 May 2022 20:37

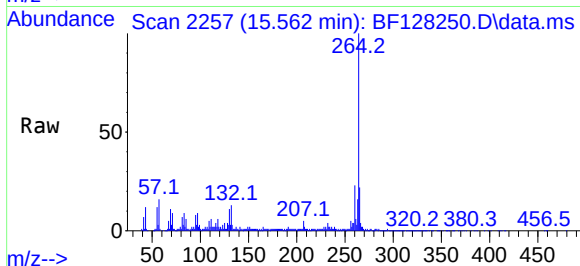
Tgt Ion:228 Resp: 351636
Ion Ratio Lower Upper
228 100
226 30.6 24.4 36.6
229 21.9 15.8 23.8





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.562 min Scan# 211
Delta R.T. -0.000 min
Lab File: BF128250.D
Acq: 13 May 2022 20:37

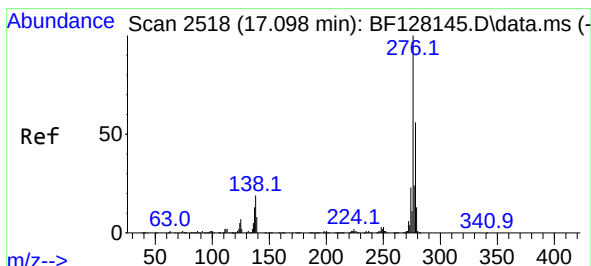
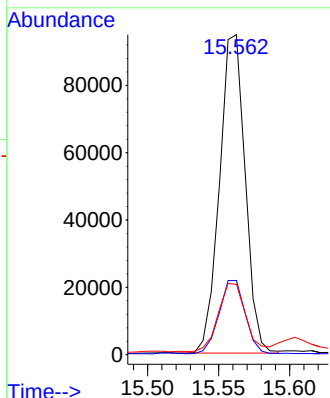
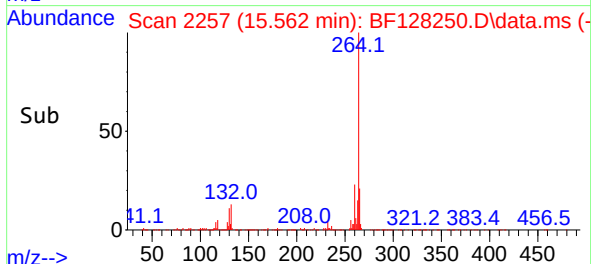
Instrument :
BNA_F
ClientSampleId :
SC-6



Tgt Ion:264 Resp: 119024
Ion Ratio Lower Upper
264 100
260 23.2 20.1 30.1
265 22.0 17.5 26.3

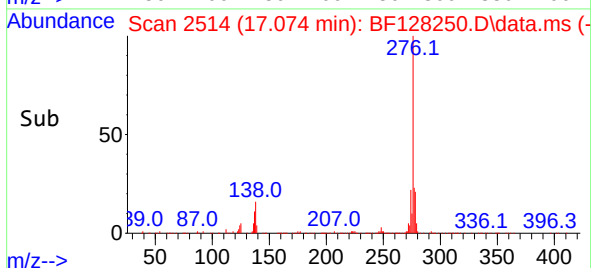
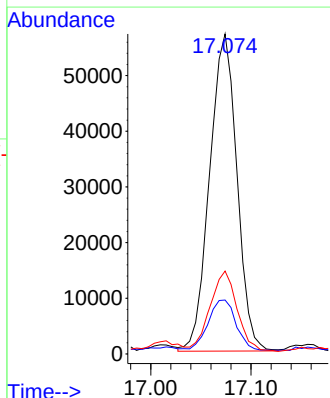
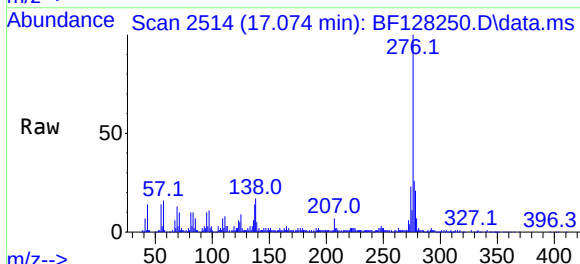
Manual Integrations
APPROVED

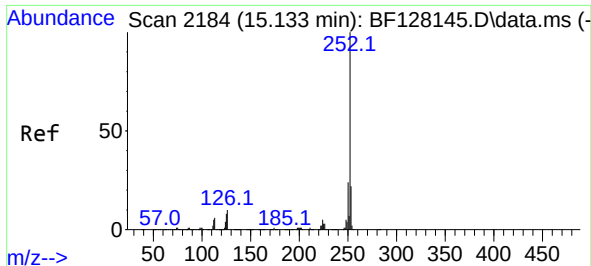
Reviewed By :Christian Giraldo 05/16/2022
Supervised By :Jagrut Upadhyay 05/16/2022



#87
Indeno(1,2,3-cd)pyrene
Concen: 15.003 ng
RT: 17.074 min Scan# 2514
Delta R.T. -0.012 min
Lab File: BF128250.D
Acq: 13 May 2022 20:37

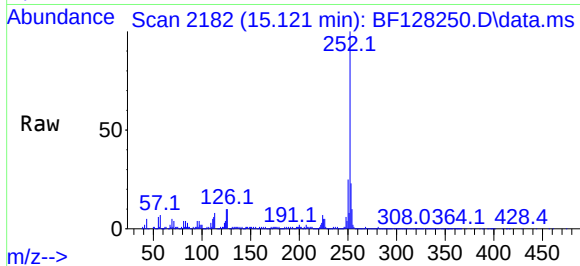
Tgt Ion:276 Resp: 108018
Ion Ratio Lower Upper
276 100
138 16.4 19.0 28.4#
277 25.2 20.1 30.1





#88
Benzo(b)fluoranthene
Concen: 47.457 ng m
RT: 15.121 min Scan# 2182
Delta R.T. -0.000 min
Lab File: BF128250.D
Acq: 13 May 2022 20:37

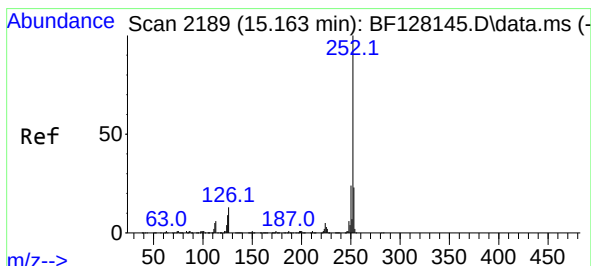
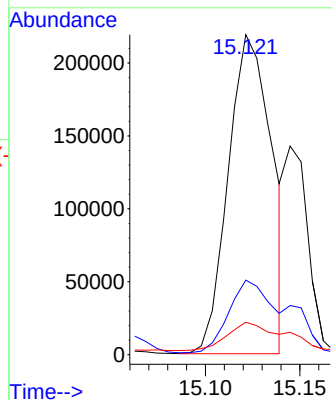
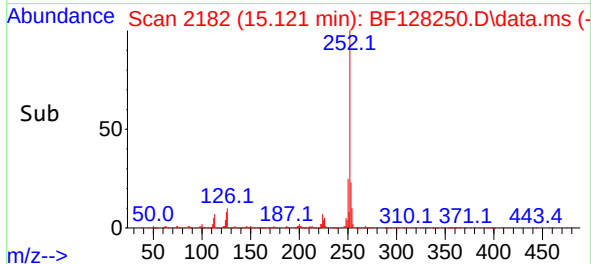
Instrument :
BNA_F
ClientSampleId :
SC-6



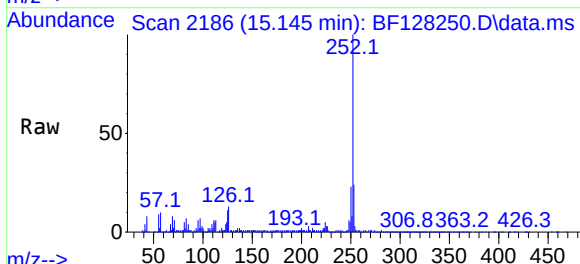
Tgt Ion:252 Resp: 35015
Ion Ratio Lower Upper
252 100
253 23.3 17.4 26.2
125 10.2 7.4 11.2

Manual Integrations
APPROVED

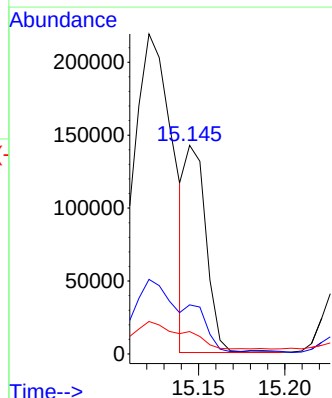
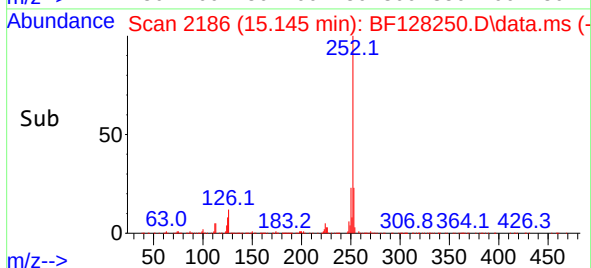
Reviewed By :Christian Giraldo 05/16/2022
Supervised By :Jagrut Upadhyay 05/16/2022

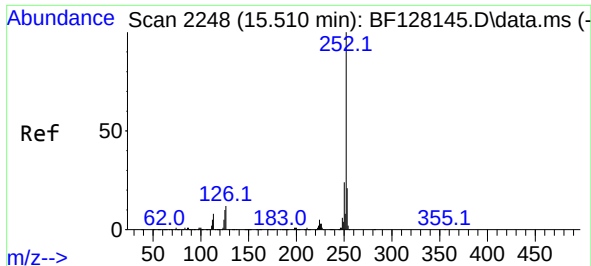


#89
Benzo(k)fluoranthene
Concen: 16.206 ng m
RT: 15.145 min Scan# 2186
Delta R.T. -0.006 min
Lab File: BF128250.D
Acq: 13 May 2022 20:37



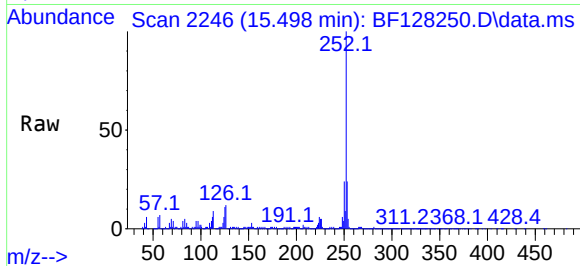
Tgt Ion:252 Resp: 118035
Ion Ratio Lower Upper
252 100
253 23.5 17.0 25.4
125 10.7 6.8 10.2#





#90
Benzo(a)pyrene
Concen: 38.077 ng
RT: 15.498 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF128250.D
Acq: 13 May 2022 20:37

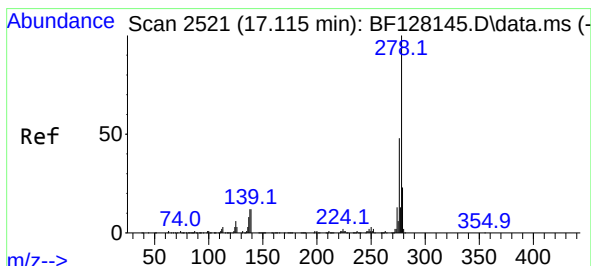
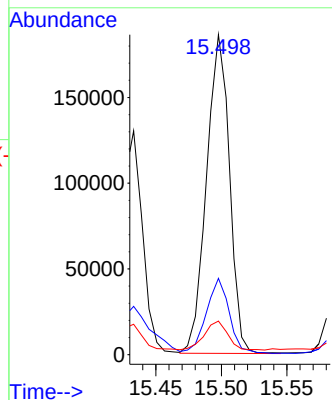
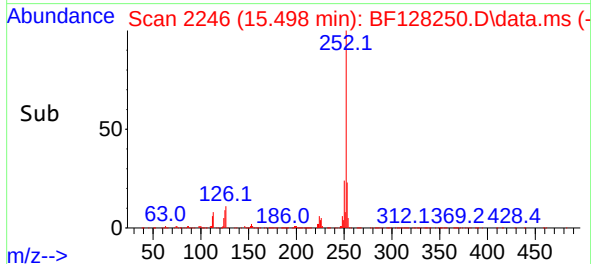
Instrument :
BNA_F
ClientSampleId :
SC-6



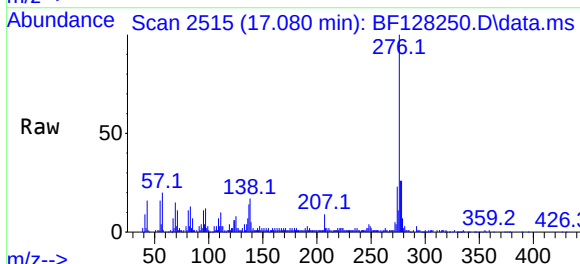
Tgt Ion:252 Resp: 226809
Ion Ratio Lower Upper
252 100
253 23.9 17.8 26.6
125 10.5 9.2 13.8

Manual Integrations
APPROVED

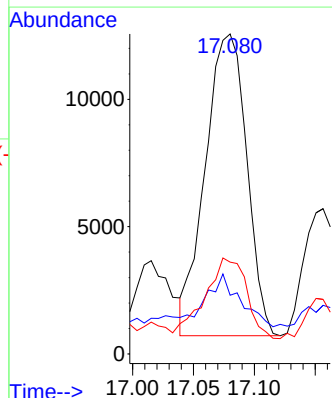
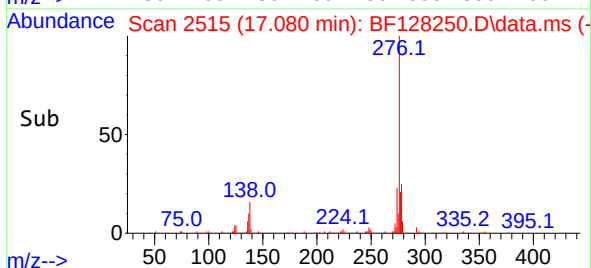
Reviewed By :Christian Giraldo 05/16/2022
Supervised By :Jagrut Upadhyay 05/16/2022

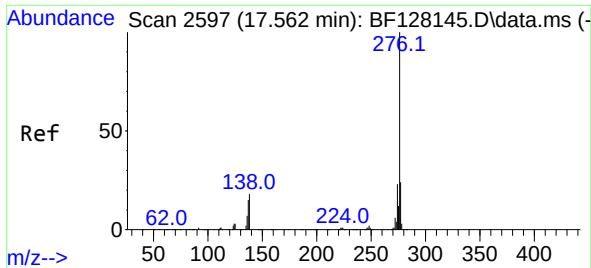


#91
Dibenzo(a,h)anthracene
Concen: 4.818 ng
RT: 17.080 min Scan# 2515
Delta R.T. -0.018 min
Lab File: BF128250.D
Acq: 13 May 2022 20:37



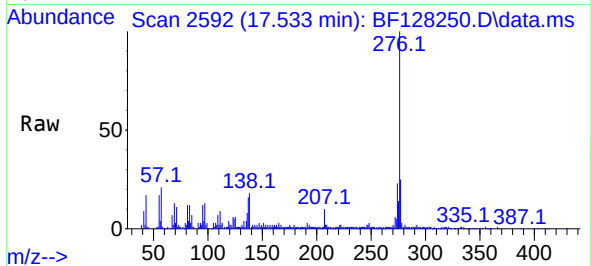
Tgt Ion:278 Resp: 28082
Ion Ratio Lower Upper
278 100
139 18.4 12.6 19.0
279 28.7 18.9 28.3#





#92
 Benzo(g,h,i)perylene
 Concen: 16.016 ng
 RT: 17.533 min Scan# 21
 Delta R.T. -0.018 min
 Lab File: BF128250.D
 Acq: 13 May 2022 20:37

Instrument :
 BNA_F
 ClientSampleId :
 SC-6



Tgt Ion: 276 Resp: 94529

Ion	Ratio	Lower	Upper
276	100		
277	25.3	18.8	28.2
138	17.7	16.2	24.2

Manual Integrations
 APPROVED

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

