

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051622\
 Data File : BF128272.D
 Acq On : 16 May 2022 17:12
 Operator : CG\JU
 Sample : N2823-06DL 25X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SC-6DL

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 05/17/2022
 Supervised By : Jagrut Upadhyay 05/17/2022

Quant Time: May 17 06:22:16 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	83578	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	313439	20.000	ng	0.00
39) Acenaphthene-d10	9.928	164	156319	20.000	ng	0.00
64) Phenanthrene-d10	11.416	188	255511	20.000	ng	0.00
76) Chrysene-d12	14.063	240	221273	20.000	ng	0.00
86) Perylene-d12	15.557	264	152675	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	17911	3.416	ng	0.00
7) Phenol-d6	6.522	99	23709	3.419	ng	0.00
23) Nitrobenzene-d5	7.445	82	15113	2.170	ng	-0.02
42) 2,4,6-Tribromophenol	10.722	330	2229	1.243	ng	0.00
45) 2-Fluorobiphenyl	9.239	172	28589	2.862	ng	-0.01
79) Terphenyl-d14	12.998	244	31206	2.646	ng	-0.01
Target Compounds						Qvalue
71) Phenanthrene	11.445	178	332751	26.154	ng	99
72) Anthracene	11.492	178	35322	2.781	ng	97
73) Carbazole	11.651	167	52943	4.383	ng	99
75) Fluoranthene	12.633	202	555761	40.291	ng	98
78) Pyrene	12.869	202	419330	26.136	ng	99
81) Benzo(a)anthracene	14.051	228	137157	9.704	ng	99
83) Chrysene	14.092	228	111422	8.262	ng	97
87) Indeno(1,2,3-cd)pyrene	17.068	276	28033	3.035	ng	98
88) Benzo(b)fluoranthene	15.116	252	90655m	9.579	ng	
89) Benzo(k)fluoranthene	15.145	252	33655m	3.602	ng	
90) Benzo(a)pyrene	15.492	252	58037	7.596	ng	97
92) Benzo(g,h,i)perylene	17.527	276	26407	3.488	ng	95

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

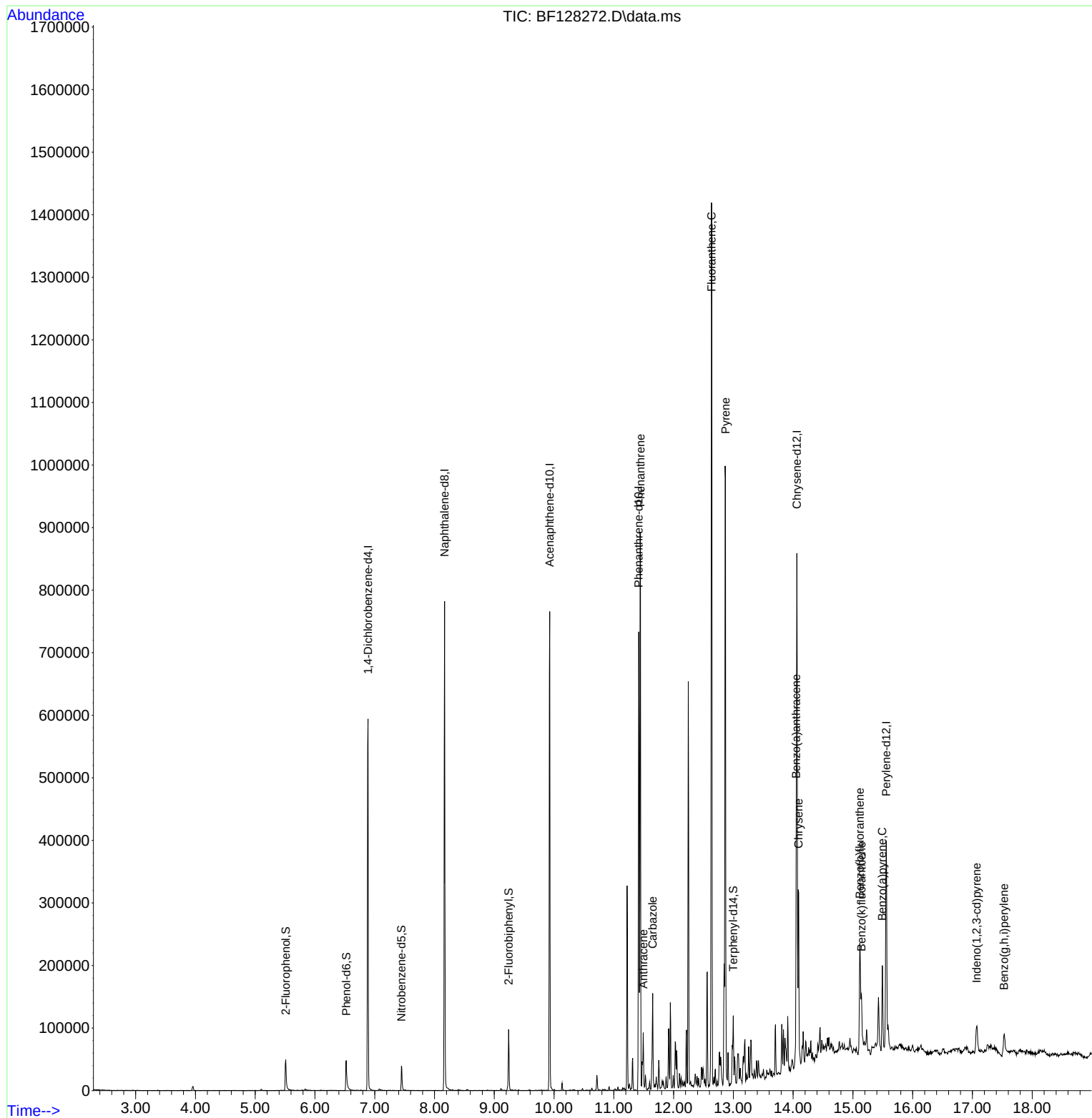
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051622\
Data File : BF128272.D
Acq On : 16 May 2022 17:12
Operator : CG\JU
Sample : N2823-06DL 25X
Misc :
ALS Vial : 16 Sample Multiplier: 1

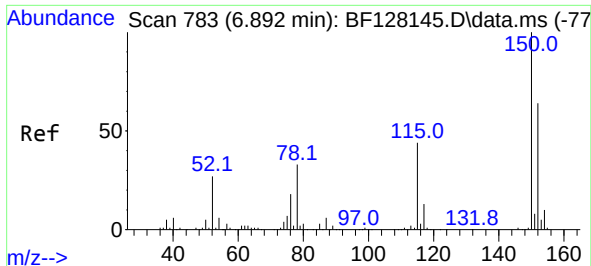
Instrument :
BNA_F
ClientSampleId :
SC-6DL

Quant Time: May 17 06:22:16 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

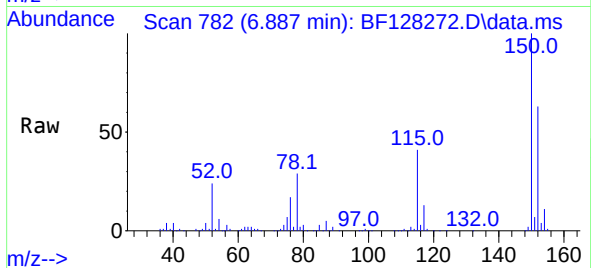
Reviewed By :Christian Giraldo 05/17/2022
Supervised By :Jagrut Upadhyay 05/17/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.887 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF128272.D
Acq: 16 May 2022 17:12

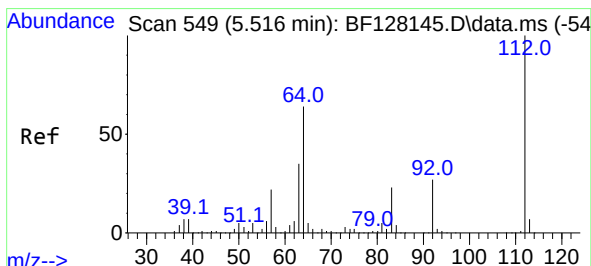
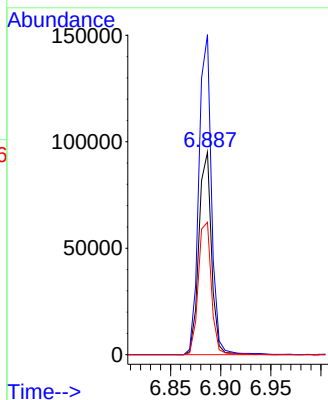
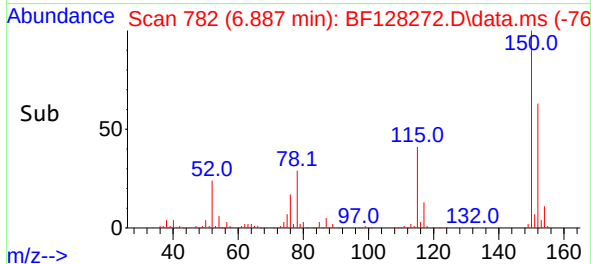
Instrument :
BNA_F
ClientSampleId :
SC-6DL



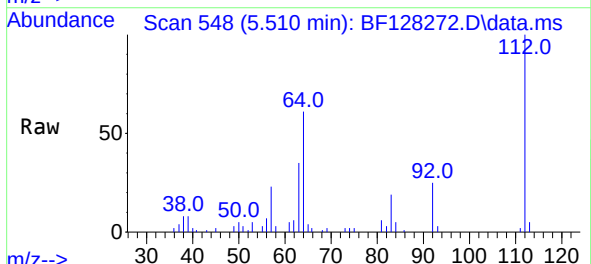
Tgt Ion:152 Resp: 83578
Ion Ratio Lower Upper
152 100
150 157.9 125.3 187.9
115 65.4 48.8 73.2

Manual Integrations
APPROVED

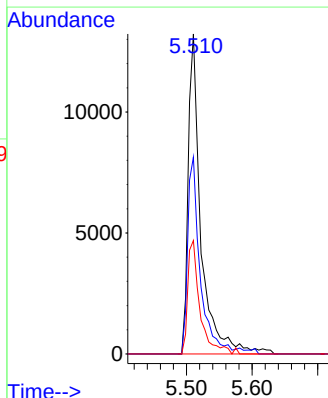
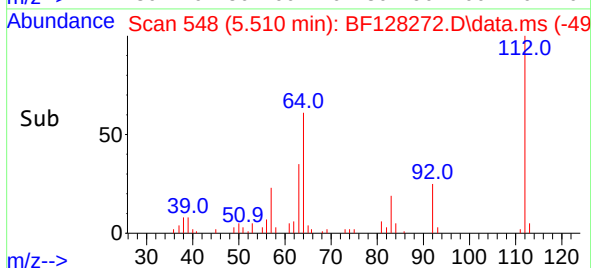
Reviewed By :Christian Giraldo 05/17/2022
Supervised By :Jagrut Upadhyay 05/17/2022

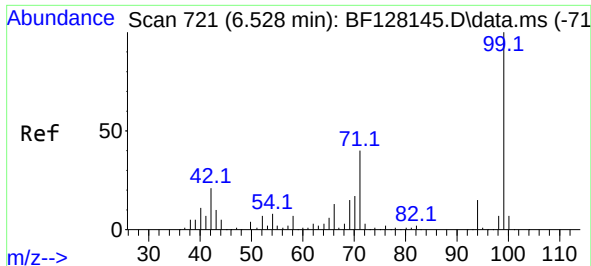


#5
2-Fluorophenol
Concen: 3.416 ng
RT: 5.510 min Scan# 548
Delta R.T. 0.000 min
Lab File: BF128272.D
Acq: 16 May 2022 17:12



Tgt Ion:112 Resp: 17911
Ion Ratio Lower Upper
112 100
64 61.5 49.5 74.3
63 35.5 26.3 39.5





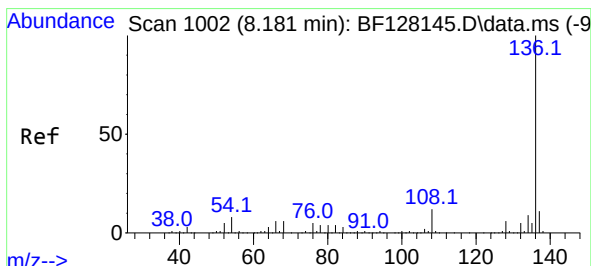
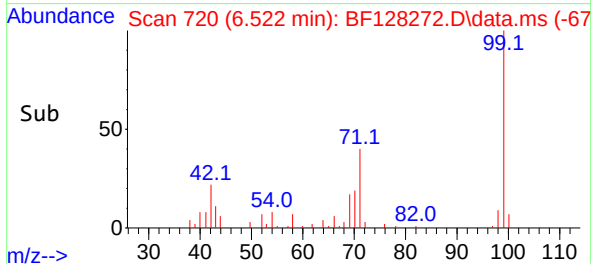
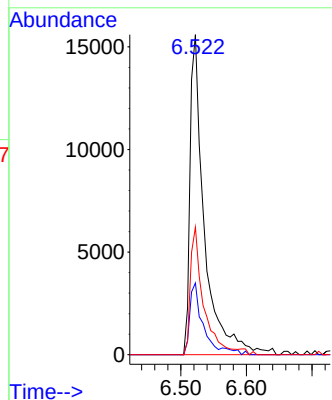
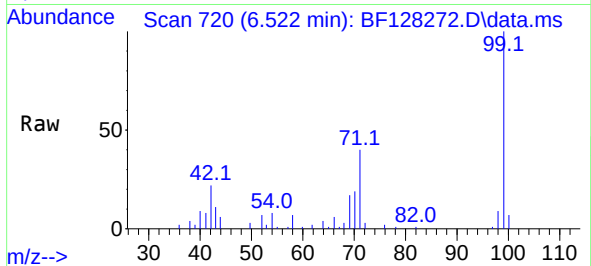
#7
Phenol-d6
Concen: 3.419 ng
RT: 6.522 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF128272.D
Acq: 16 May 2022 17:12

Instrument :
BNA_F
ClientSampleId :
SC-6DL

Tgt Ion: 99 Resp: 23709
Ion Ratio Lower Upper
99 100
42 22.4 16.6 24.8
71 39.8 30.0 45.0

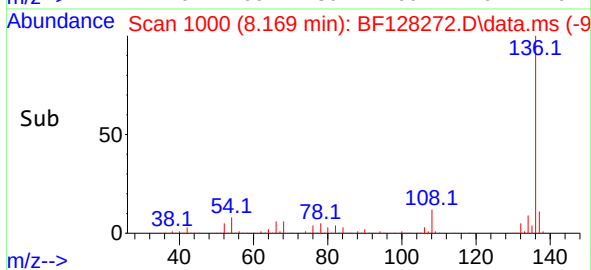
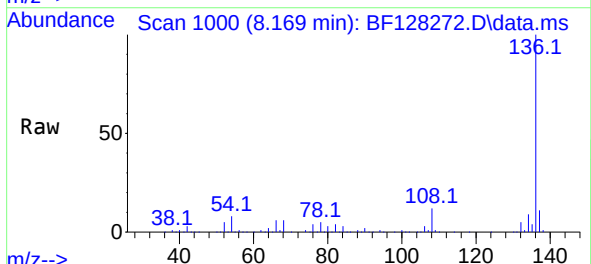
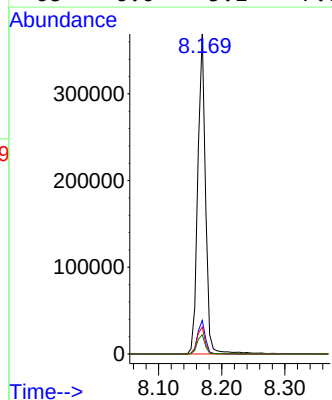
Manual Integrations
APPROVED

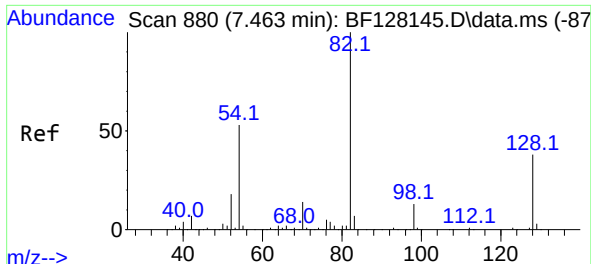
Reviewed By :Christian Giraldo 05/17/2022
Supervised By :Jagrut Upadhyay 05/17/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.169 min Scan# 1000
Delta R.T. -0.006 min
Lab File: BF128272.D
Acq: 16 May 2022 17:12

Tgt Ion:136 Resp: 313439
Ion Ratio Lower Upper
136 100
137 10.5 8.6 13.0
54 8.4 6.8 10.2
68 6.0 5.1 7.7





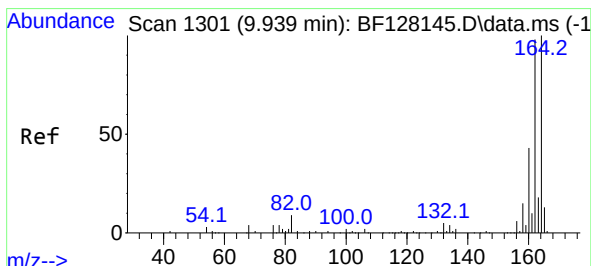
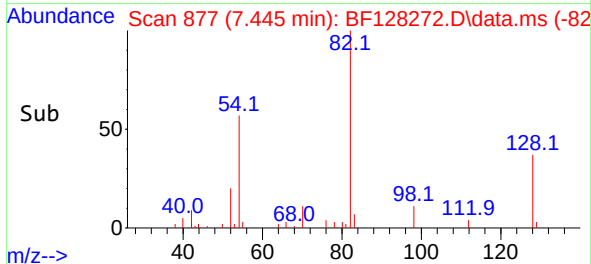
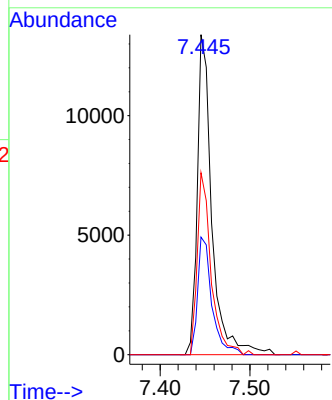
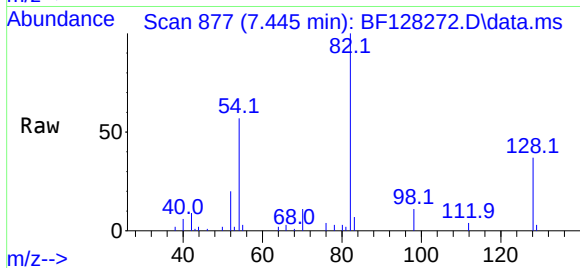
#23
Nitrobenzene-d5
Concen: 2.170 ng
RT: 7.445 min Scan# 81
Delta R.T. -0.018 min
Lab File: BF128272.D
Acq: 16 May 2022 17:12

Instrument :
BNA_F
ClientSampleId :
SC-6DL

Tgt Ion: 82 Resp: 1511
Ion Ratio Lower Upper
82 100
128 36.7 30.0 45.0
54 56.9 41.3 61.9

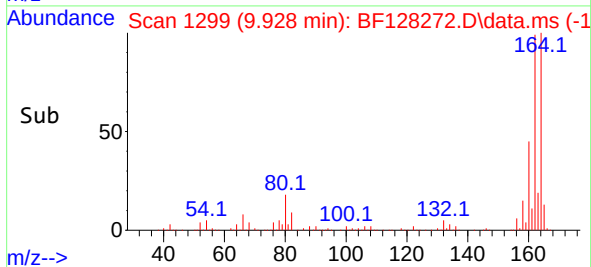
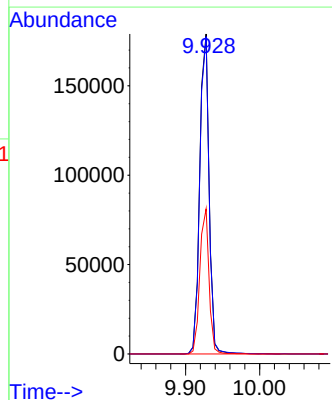
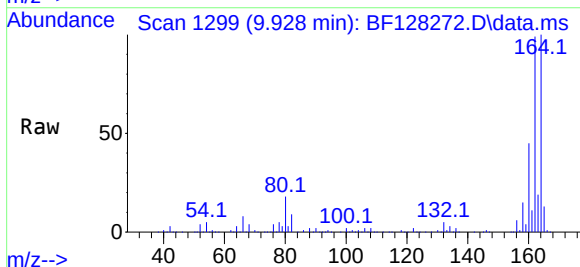
Manual Integrations
APPROVED

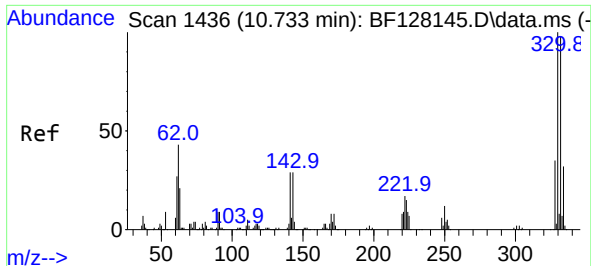
Reviewed By :Christian Giraldo 05/17/2022
Supervised By :Jagrut Upadhyay 05/17/2022



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.928 min Scan# 1299
Delta R.T. -0.006 min
Lab File: BF128272.D
Acq: 16 May 2022 17:12

Tgt Ion:164 Resp: 156319
Ion Ratio Lower Upper
164 100
162 99.2 76.0 114.0
160 45.4 34.8 52.2





#42
2,4,6-Tribromophenol
Concen: 1.243 ng
RT: 10.722 min Scan# 1436
Delta R.T. -0.006 min
Lab File: BF128272.D
Acq: 16 May 2022 17:12

Instrument :

BNA_F

ClientSampleId :

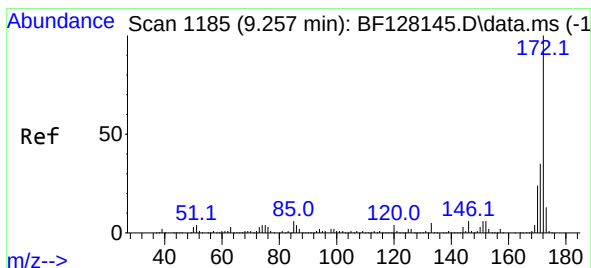
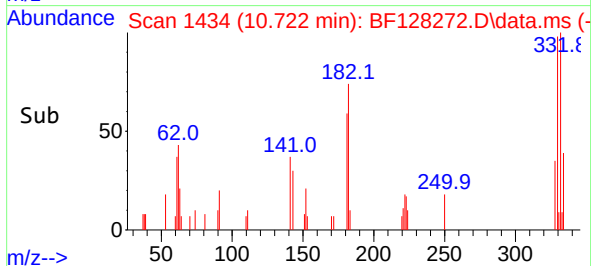
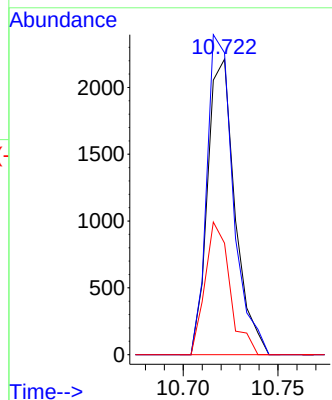
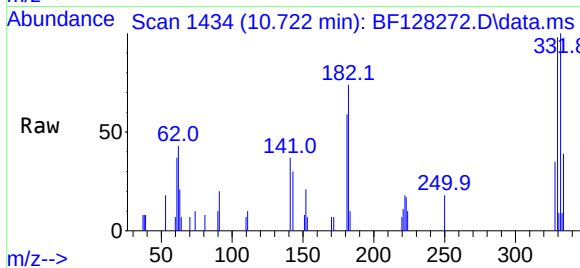
SC-6DL

Tgt Ion: 330 Resp: 2229
Ion Ratio Lower Upper
330 100
332 104.1 79.0 118.4
141 40.6 28.9 43.3

Manual Integrations

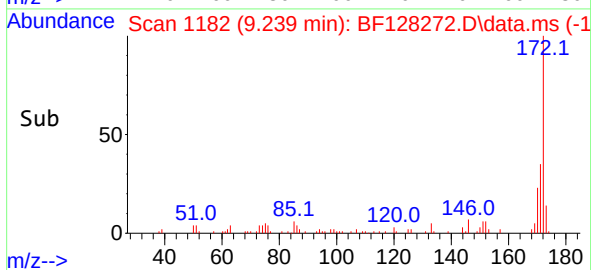
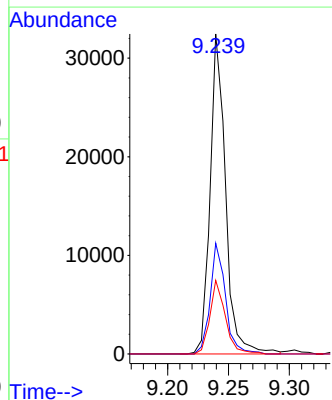
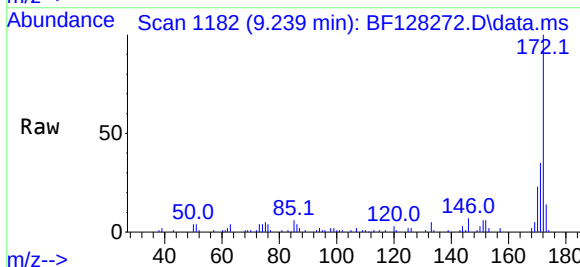
APPROVED

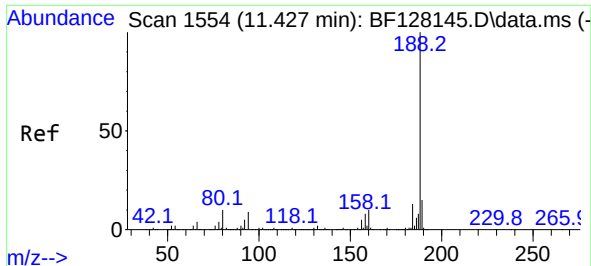
Reviewed By : Christian Giraldo 05/17/2022
Supervised By : Jagrut Upadhyay 05/17/2022



#45
2-Fluorobiphenyl
Concen: 2.862 ng
RT: 9.239 min Scan# 1182
Delta R.T. -0.012 min
Lab File: BF128272.D
Acq: 16 May 2022 17:12

Tgt Ion: 172 Resp: 28589
Ion Ratio Lower Upper
172 100
171 34.6 28.6 42.8
170 23.0 19.1 28.7





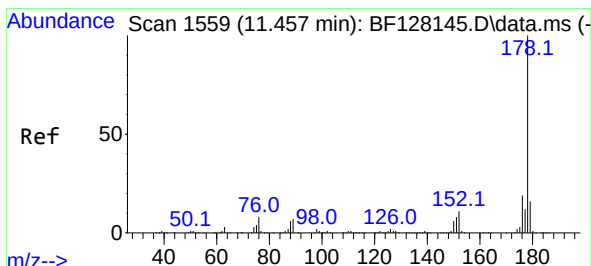
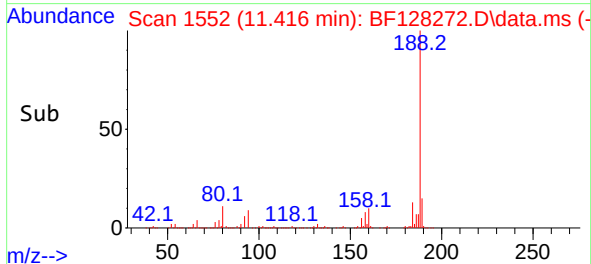
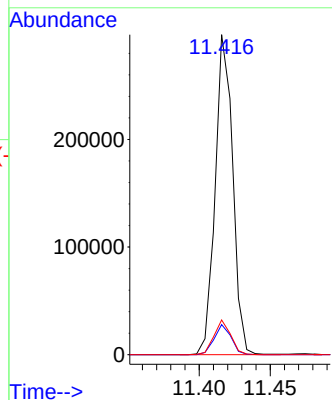
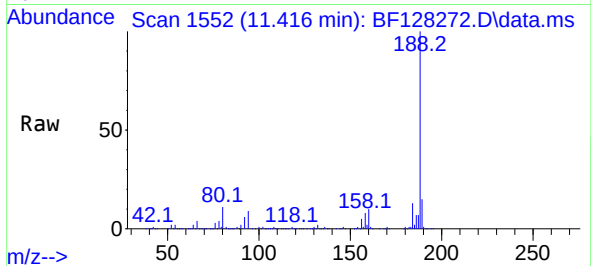
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.416 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF128272.D
Acq: 16 May 2022 17:12

Instrument :
BNA_F
ClientSampleId :
SC-6DL

Tgt Ion:188 Resp: 25551
Ion Ratio Lower Upper
188 100
94 9.4 8.0 12.0
80 10.9 8.9 13.3

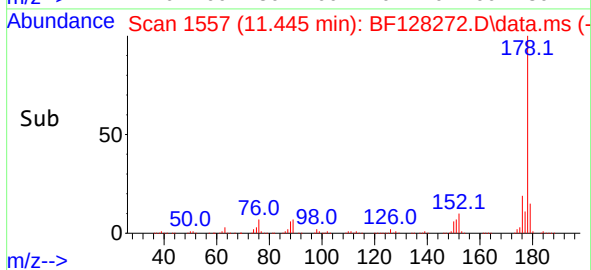
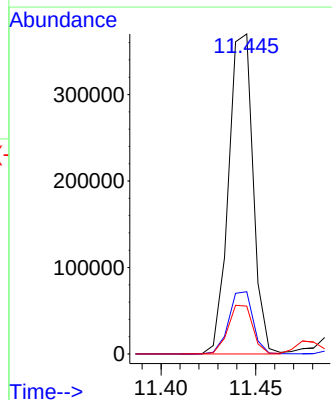
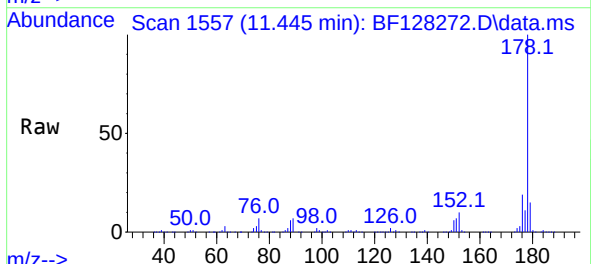
Manual Integrations
APPROVED

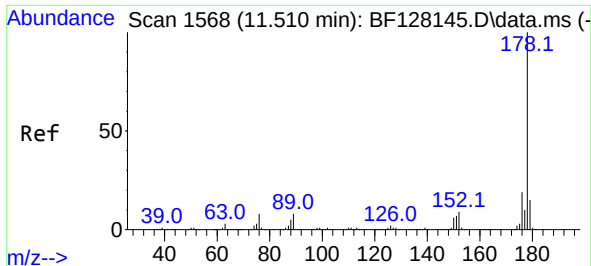
Reviewed By :Christian Giraldo 05/17/2022
Supervised By :Jagrut Upadhyay 05/17/2022



#71
Phenanthrene
Concen: 26.154 ng
RT: 11.445 min Scan# 1557
Delta R.T. -0.006 min
Lab File: BF128272.D
Acq: 16 May 2022 17:12

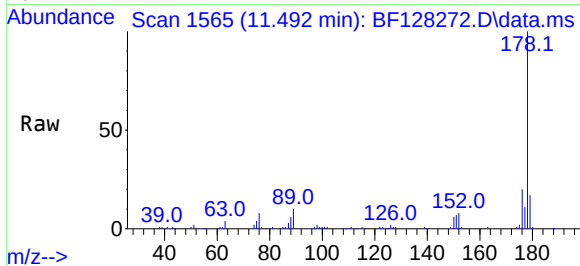
Tgt Ion:178 Resp: 332751
Ion Ratio Lower Upper
178 100
176 19.5 15.7 23.5
179 15.0 12.6 19.0





#72
 Anthracene
 Concen: 2.781 ng
 RT: 11.492 min Scan# 1150
 Delta R.T. -0.012 min
 Lab File: BF128272.D
 Acq: 16 May 2022 17:12

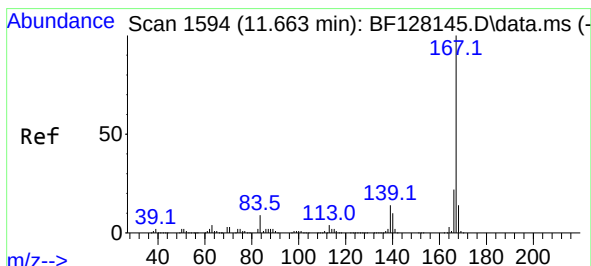
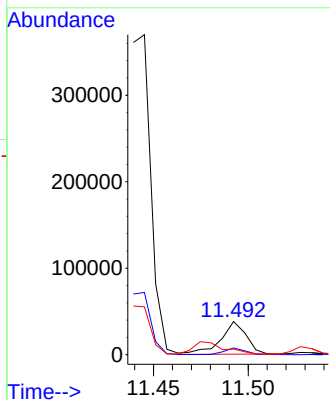
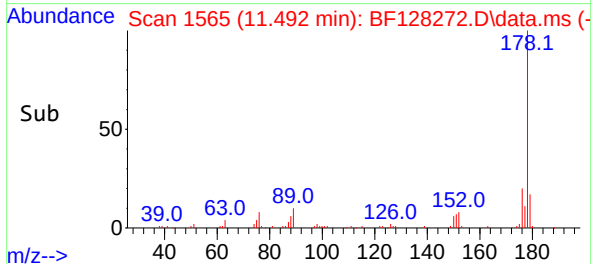
Instrument :
 BNA_F
 ClientSampleId :
 SC-6DL



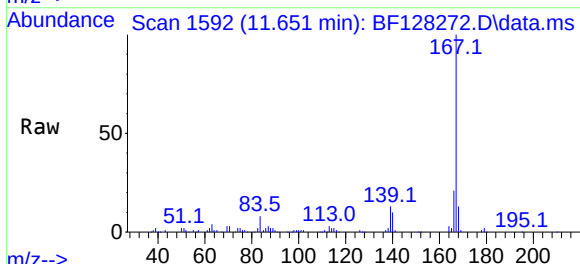
Tgt Ion:178 Resp: 3532
 Ion Ratio Lower Upper
 178 100
 176 20.4 15.0 22.6
 179 16.8 12.4 18.6

Manual Integrations
 APPROVED

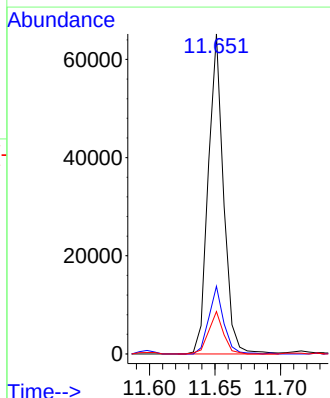
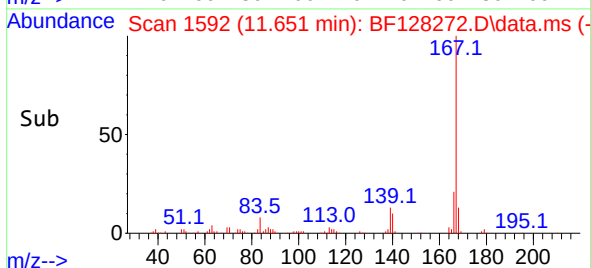
Reviewed By :Christian Giraldo 05/17/2022
 Supervised By :Jagrut Upadhyay 05/17/2022

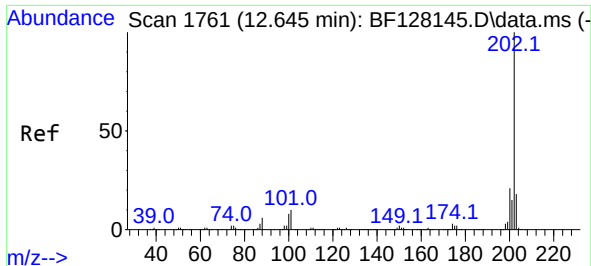


#73
 Carbazole
 Concen: 4.383 ng
 RT: 11.651 min Scan# 1592
 Delta R.T. -0.006 min
 Lab File: BF128272.D
 Acq: 16 May 2022 17:12



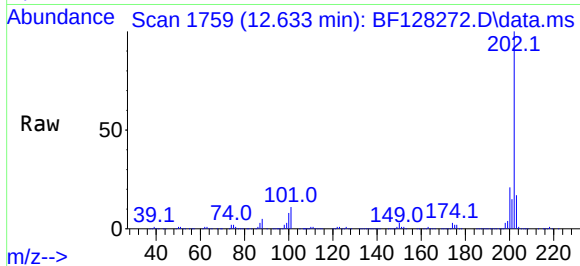
Tgt Ion:167 Resp: 52943
 Ion Ratio Lower Upper
 167 100
 166 21.1 17.6 26.4
 139 13.2 10.7 16.1





#75
Fluoranthene
Concen: 40.291 ng
RT: 12.633 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF128272.D
Acq: 16 May 2022 17:12

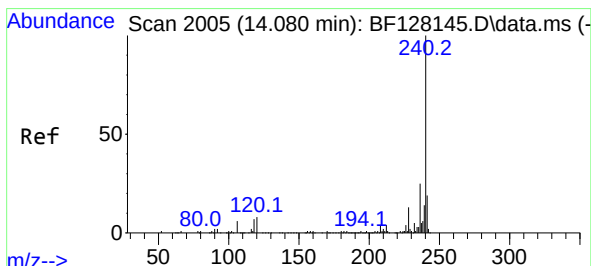
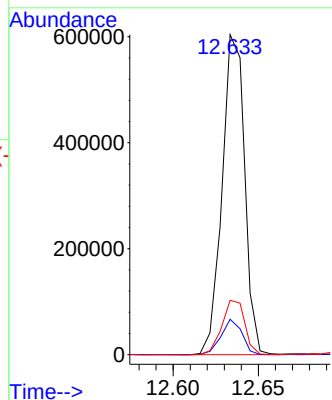
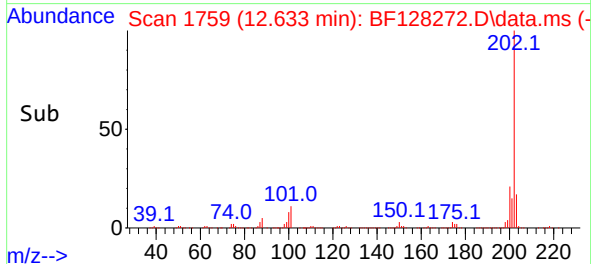
Instrument :
BNA_F
ClientSampleId :
SC-6DL



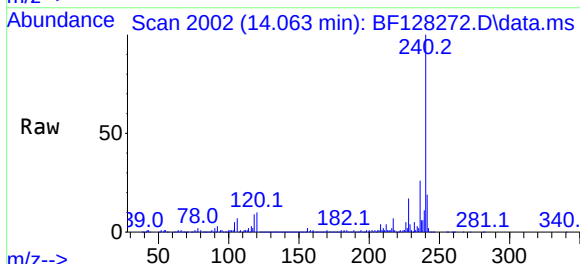
Tgt Ion:202 Resp: 55576
Ion Ratio Lower Upper
202 100
101 11.0 0.0 31.6
203 17.0 0.0 38.1

Manual Integrations
APPROVED

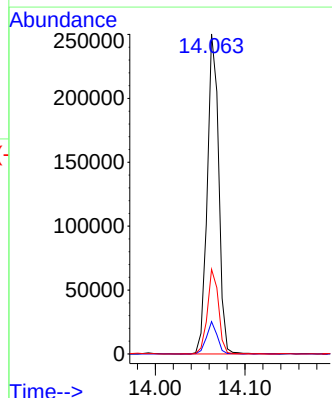
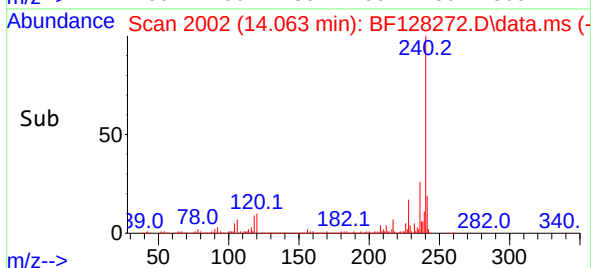
Reviewed By :Christian Giraldo 05/17/2022
Supervised By :Jagrut Upadhyay 05/17/2022

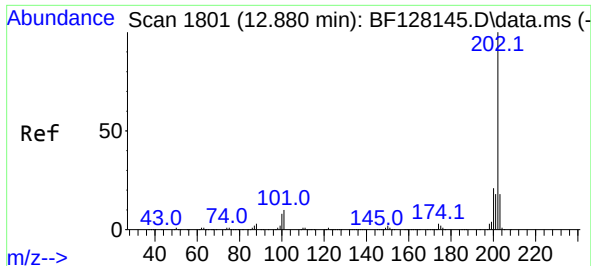


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.063 min Scan# 2002
Delta R.T. -0.006 min
Lab File: BF128272.D
Acq: 16 May 2022 17:12



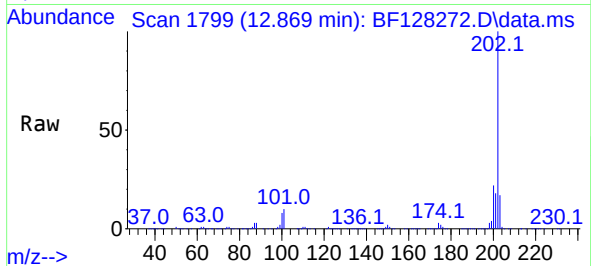
Tgt Ion:240 Resp: 221273
Ion Ratio Lower Upper
240 100
120 10.1 7.0 10.6
236 26.5 20.3 30.5





#78
Pyrene
Concen: 26.136 ng
RT: 12.869 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF128272.D
Acq: 16 May 2022 17:12

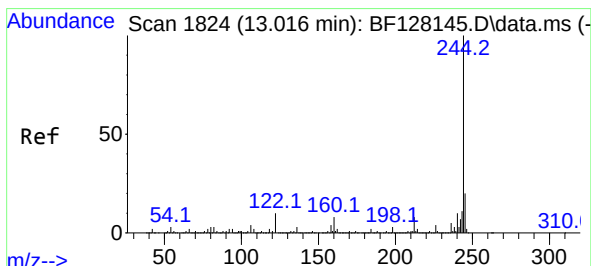
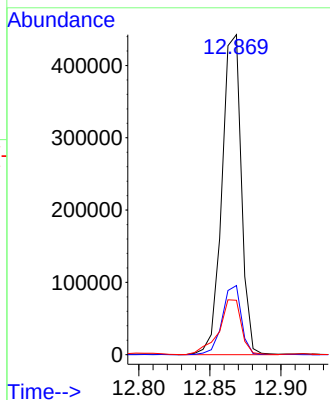
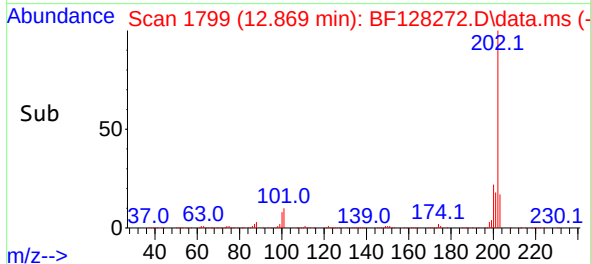
Instrument :
BNA_F
ClientSampleId :
SC-6DL



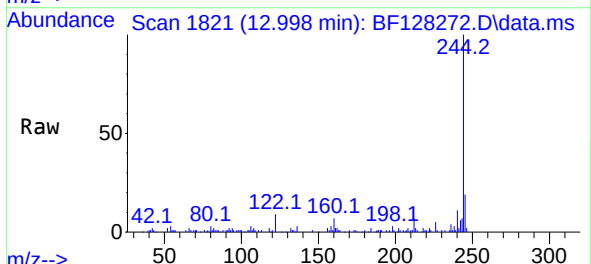
Tgt Ion:202 Resp: 419330
Ion Ratio Lower Upper
202 100
200 21.6 17.4 26.2
203 17.0 14.0 21.0

Manual Integrations
APPROVED

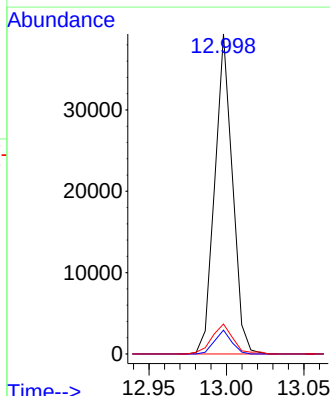
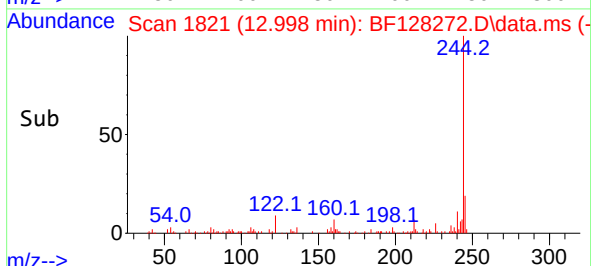
Reviewed By :Christian Giraldo 05/17/2022
Supervised By :Jagrut Upadhyay 05/17/2022

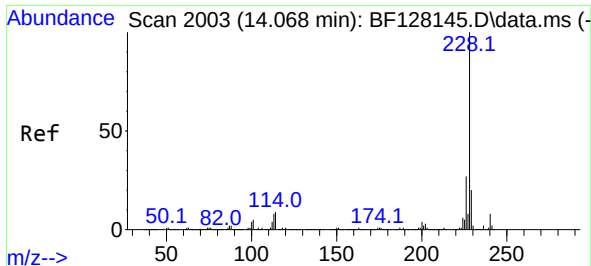


#79
Terphenyl-d14
Concen: 2.646 ng
RT: 12.998 min Scan# 1821
Delta R.T. -0.012 min
Lab File: BF128272.D
Acq: 16 May 2022 17:12



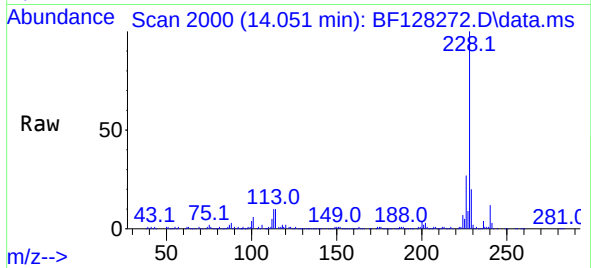
Tgt Ion:244 Resp: 31206
Ion Ratio Lower Upper
244 100
212 7.4 6.2 9.4
122 9.3 8.6 12.8





#81
Benzo(a)anthracene
Concen: 9.704 ng
RT: 14.051 min Scan# 2000
Delta R.T. -0.006 min
Lab File: BF128272.D
Acq: 16 May 2022 17:12

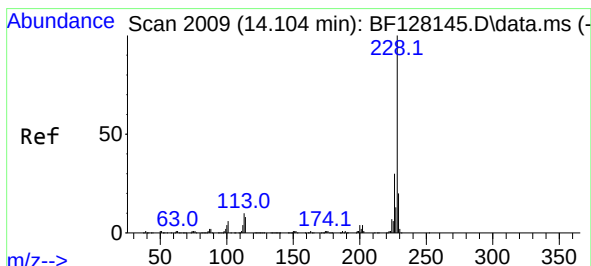
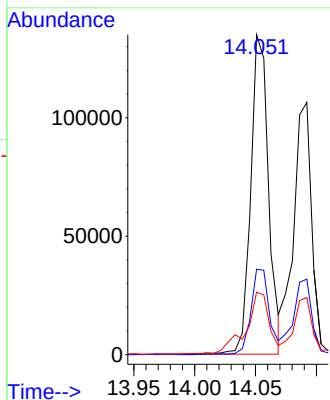
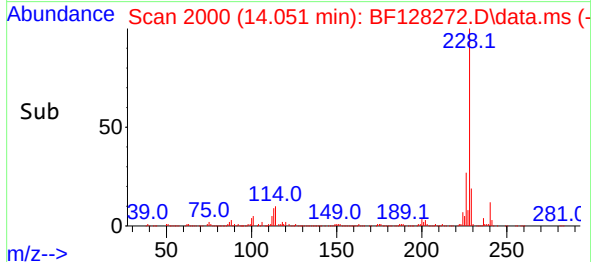
Instrument :
BNA_F
ClientSampleId :
SC-6DL



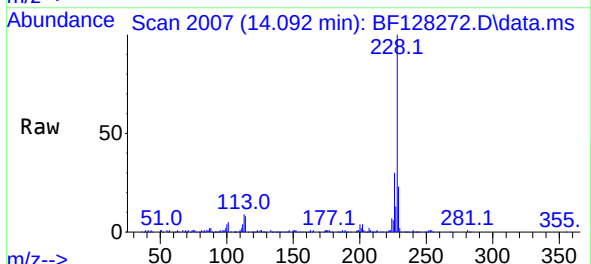
Tgt Ion:228 Resp: 13715
Ion Ratio Lower Upper
228 100
226 26.7 21.7 32.5
229 19.5 15.4 23.2

Manual Integrations
APPROVED

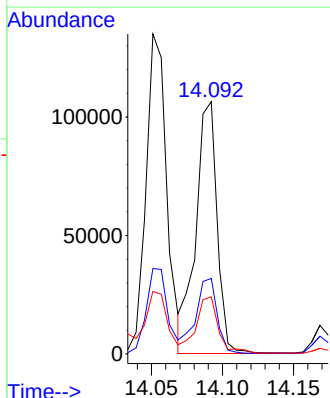
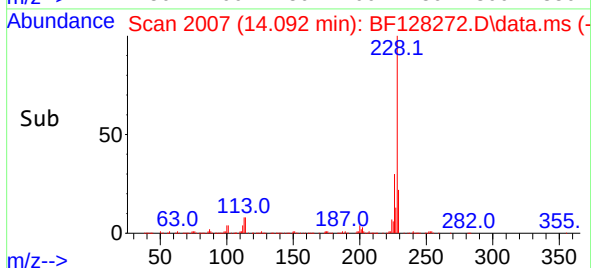
Reviewed By :Christian Giraldo 05/17/2022
Supervised By :Jagrut Upadhyay 05/17/2022

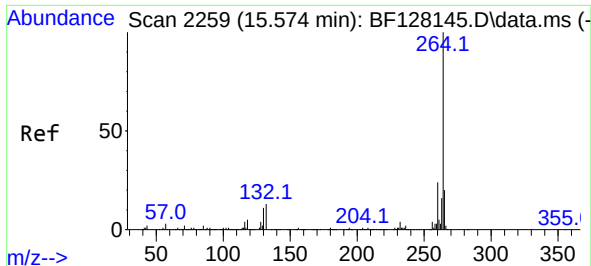


#83
Chrysene
Concen: 8.262 ng
RT: 14.092 min Scan# 2007
Delta R.T. -0.006 min
Lab File: BF128272.D
Acq: 16 May 2022 17:12



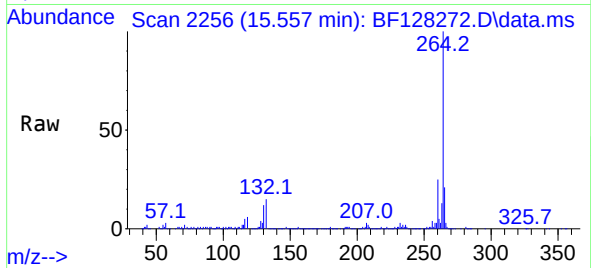
Tgt Ion:228 Resp: 111422
Ion Ratio Lower Upper
228 100
226 29.9 24.4 36.6
229 22.6 15.8 23.8





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.557 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF128272.D
Acq: 16 May 2022 17:12

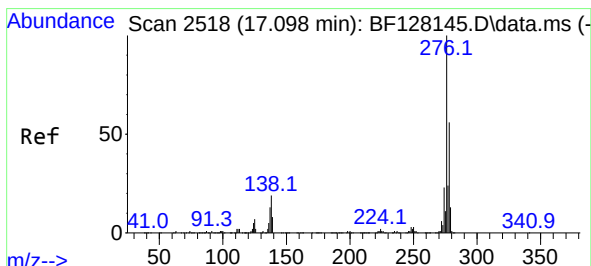
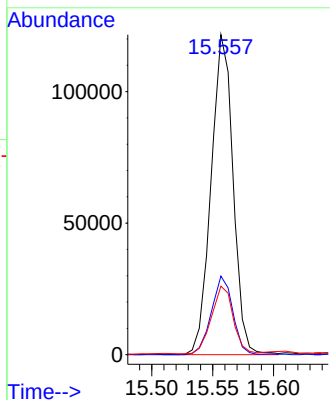
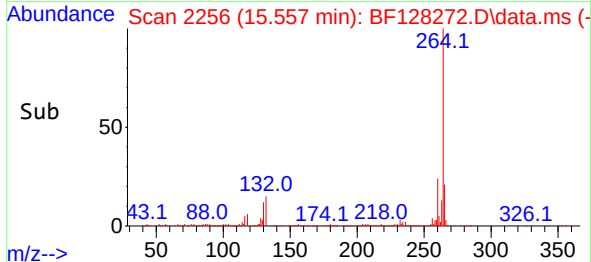
Instrument :
BNA_F
ClientSampleId :
SC-6DL



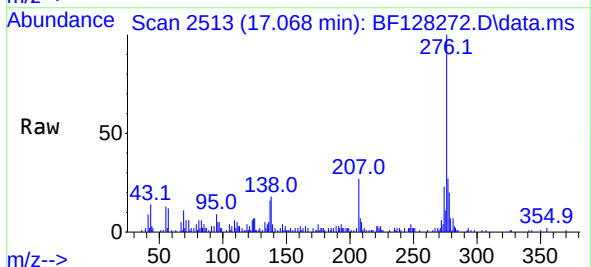
Tgt Ion:264 Resp: 15267
Ion Ratio Lower Upper
264 100
260 24.5 20.1 30.1
265 21.4 17.5 26.3

Manual Integrations
APPROVED

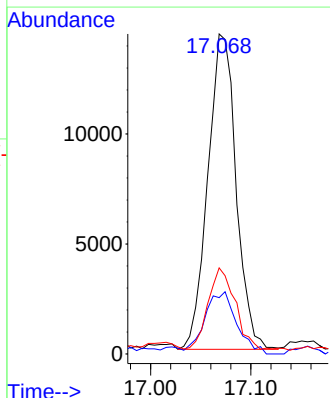
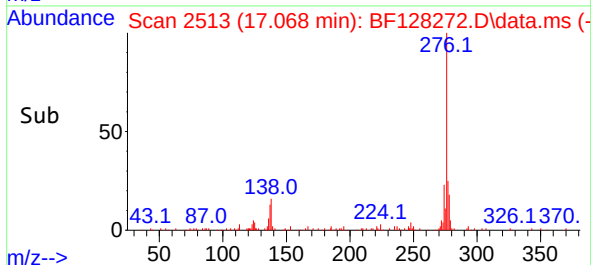
Reviewed By :Christian Giraldo 05/17/2022
Supervised By :Jagrut Upadhyay 05/17/2022

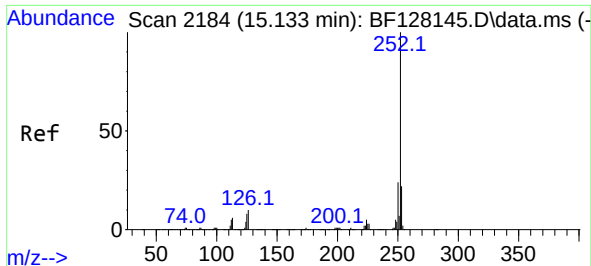


#87
Indeno(1,2,3-cd)pyrene
Concen: 3.035 ng
RT: 17.068 min Scan# 2513
Delta R.T. -0.018 min
Lab File: BF128272.D
Acq: 16 May 2022 17:12



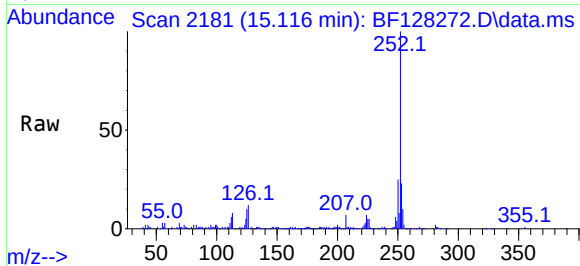
Tgt Ion:276 Resp: 28033
Ion Ratio Lower Upper
276 100
138 22.2 19.0 28.4
277 24.3 20.1 30.1





#88
Benzo(b)fluoranthene
Concen: 9.579 ng m
RT: 15.116 min Scan# 2184
Delta R.T. -0.006 min
Lab File: BF128272.D
Acq: 16 May 2022 17:12

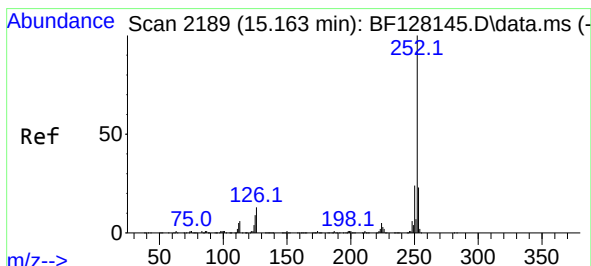
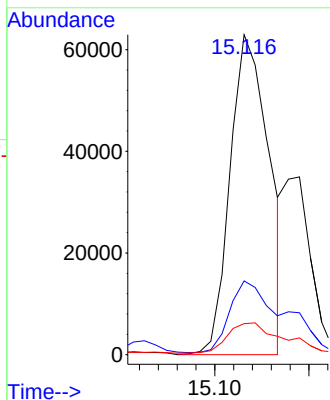
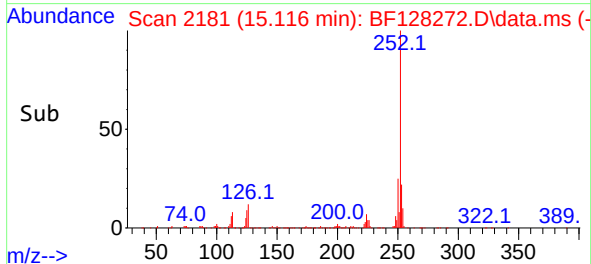
Instrument :
BNA_F
ClientSampleId :
SC-6DL



Tgt Ion:252 Resp: 9065
Ion Ratio Lower Upper
252 100
253 23.0 17.4 26.2
125 9.7 7.4 11.2

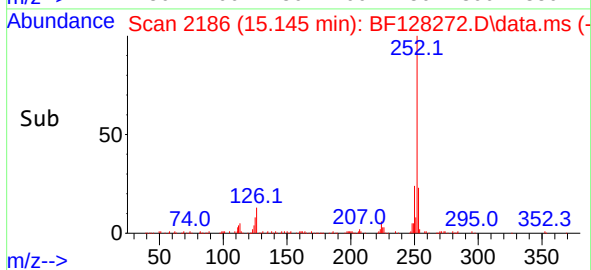
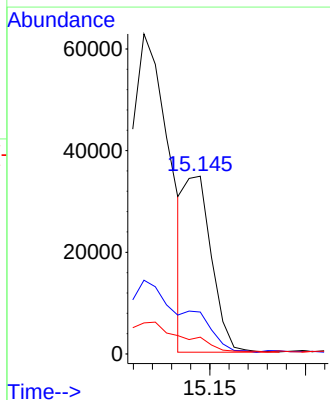
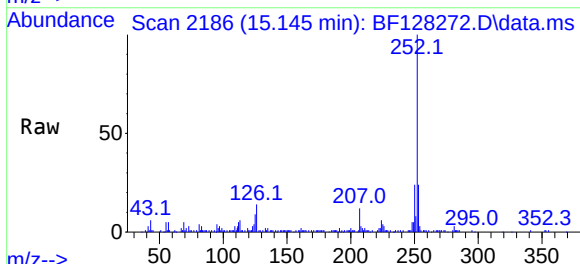
Manual Integrations
APPROVED

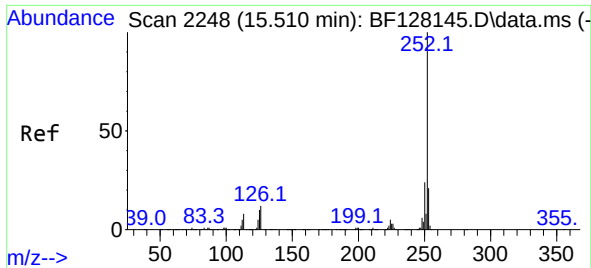
Reviewed By :Christian Giraldo 05/17/2022
Supervised By :Jagrut Upadhyay 05/17/2022



#89
Benzo(k)fluoranthene
Concen: 3.602 ng m
RT: 15.145 min Scan# 2186
Delta R.T. -0.006 min
Lab File: BF128272.D
Acq: 16 May 2022 17:12

Tgt Ion:252 Resp: 33655
Ion Ratio Lower Upper
252 100
253 23.6 17.0 25.4
125 9.5 6.8 10.2





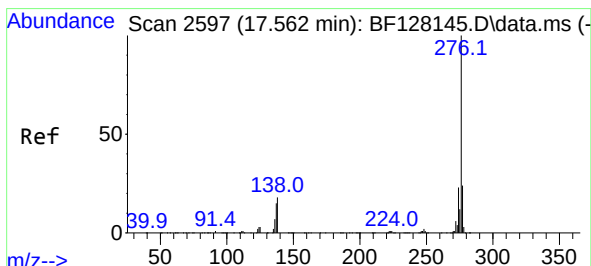
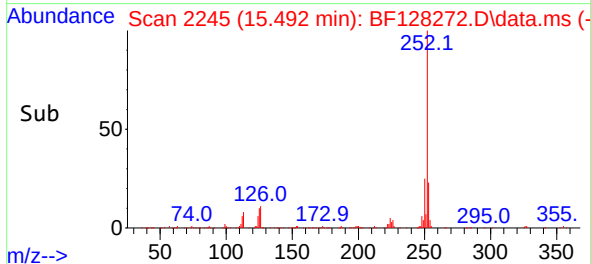
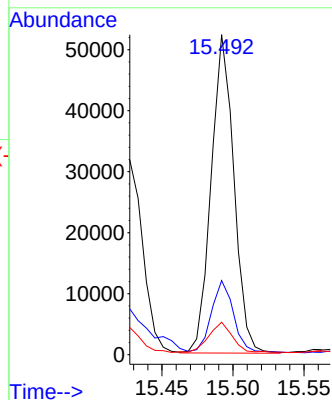
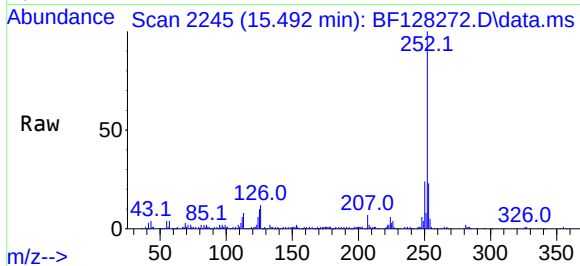
#90
Benzo(a)pyrene
Concen: 7.596 ng
RT: 15.492 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF128272.D
Acq: 16 May 2022 17:12

Instrument :
BNA_F
ClientSampleId :
SC-6DL

Tgt Ion:252 Resp: 5803
Ion Ratio Lower Upper
252 100
253 23.2 17.8 26.6
125 10.1 9.2 13.8

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 05/17/2022
Supervised By :Jagrut Upadhyay 05/17/2022



#92
Benzo(g,h,i)perylene
Concen: 3.488 ng
RT: 17.527 min Scan# 2591
Delta R.T. -0.023 min
Lab File: BF128272.D
Acq: 16 May 2022 17:12

Tgt Ion:276 Resp: 26407
Ion Ratio Lower Upper
276 100
277 27.5 18.8 28.2
138 19.6 16.2 24.2

