

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF041822\
 Data File : BF127833.D
 Acq On : 18 Apr 2022 18:57
 Operator : CG\JU
 Sample : N2444-12
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-12

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 04/19/2022
 Supervised By : Jagrut Upadhyay 04/19/2022

Quant Time: Apr 19 05:16:18 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF040622.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 13 16:40:15 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.951	152	118244	20.000	ng	-0.01
21) Naphthalene-d8	8.239	136	320560	20.000	ng	# 0.00
39) Acenaphthene-d10	10.010	164	143143	20.000	ng	0.00
64) Phenanthrene-d10	11.504	188	233588	20.000	ng	# 0.01
76) Chrysene-d12	14.145	240	230066	20.000	ng	0.00
86) Perylene-d12	15.668	264	206125	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.569	112	698625	96.005	ng	-0.01
7) Phenol-d6	6.575	99	855527	89.868	ng	-0.01
23) Nitrobenzene-d5	7.516	82	566974	78.851	ng	-0.01
42) 2,4,6-Tribromophenol	10.804	330	140563	92.278	ng	0.00
45) 2-Fluorobiphenyl	9.322	172	719076	71.065	ng	0.00
79) Terphenyl-d14	13.086	244	713743	51.207	ng	0.00
Target Compounds						Qvalue
52) Acenaphthene	10.045	154	171402m	20.560	ng	
58) Fluorene	10.563	166	322864	35.918	ng	# 92
71) Phenanthrene	11.533	178	1276331	103.127	ng	96
72) Anthracene	11.580	178	101277m	8.273	ng	
75) Fluoranthene	12.721	202	91766	6.795	ng	72
78) Pyrene	12.951	202	471004	24.244	ng	# 94
81) Benzo(a)anthracene	14.133	228	142000	9.241	ng	# 44
83) Chrysene	14.168	228	255007	17.289	ng	# 58
88) Benzo(b)fluoranthene	15.210	252	26735m	2.016	ng	
90) Benzo(a)pyrene	15.604	252	44336	4.114	ng	# 51

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

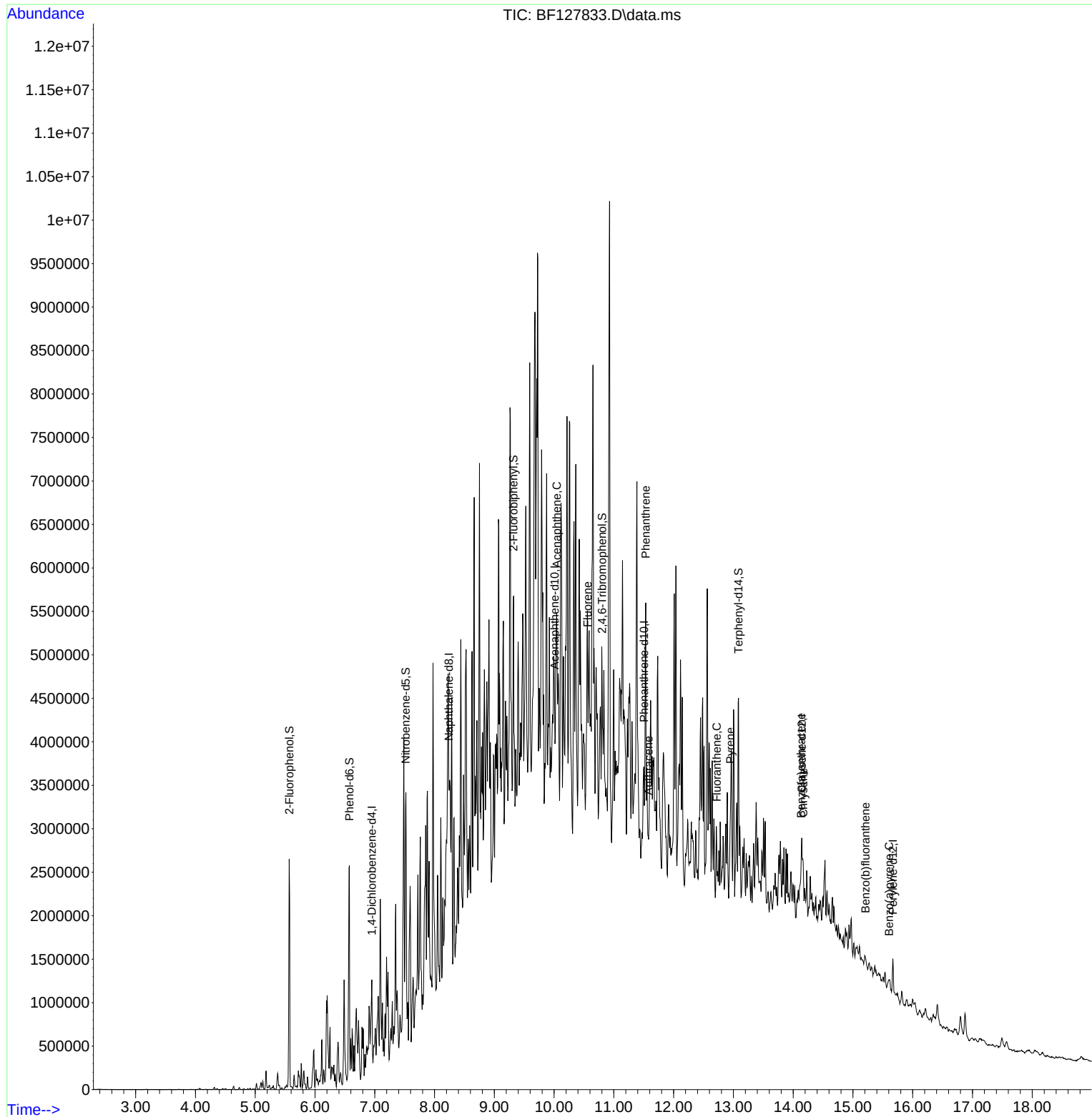
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF041822\
Data File : BF127833.D
Acq On : 18 Apr 2022 18:57
Operator : CG\JU
Sample : N2444-12
Misc :
ALS Vial : 16 Sample Multiplier: 1

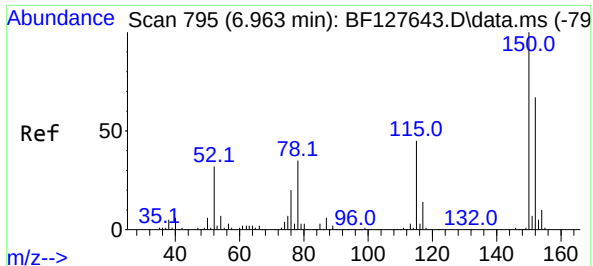
Instrument :
BNA_F
ClientSampleId :
SB-12

Quant Time: Apr 19 05:16:18 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF040622.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 13 16:40:15 2022
Response via : Initial Calibration

Manual Integrations
APPROVED

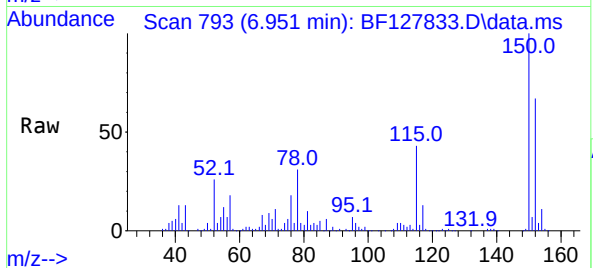
Reviewed By :Christian Giraldo 04/19/2022
Supervised By :Jagrut Upadhyay 04/19/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.951 min Scan# 795
Delta R.T. -0.012 min
Lab File: BF127833.D
Acq: 18 Apr 2022 18:57

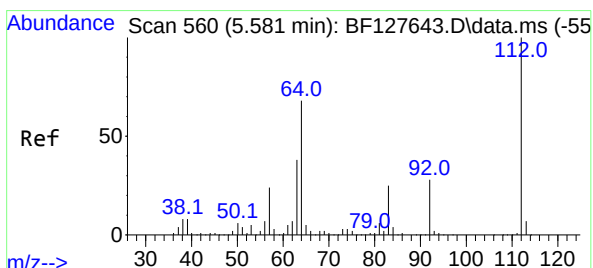
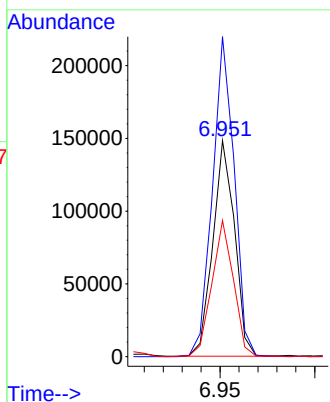
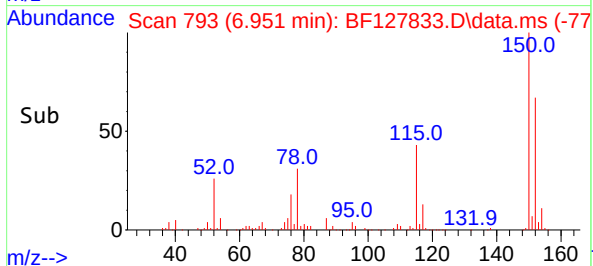
Instrument :
BNA_F
ClientSampleId :
SB-12



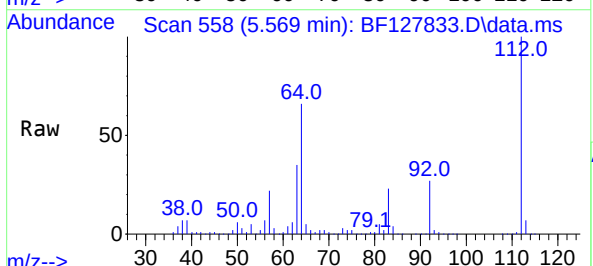
Tgt Ion:152 Resp: 118244
Ion Ratio Lower Upper
152 100
150 148.2 117.2 175.8
115 63.0 49.8 74.6

Manual Integrations
APPROVED

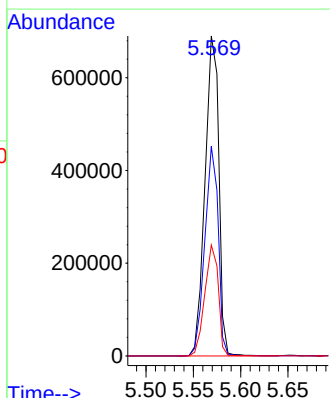
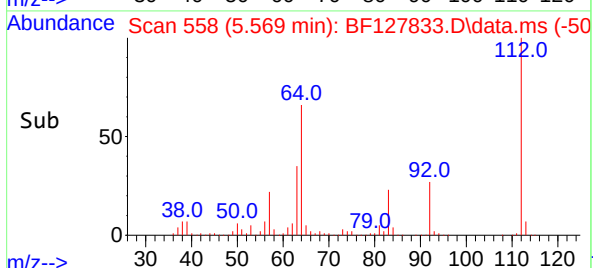
Reviewed By :Christian Giraldo 04/19/2022
Supervised By :Jagrut Upadhyay 04/19/2022

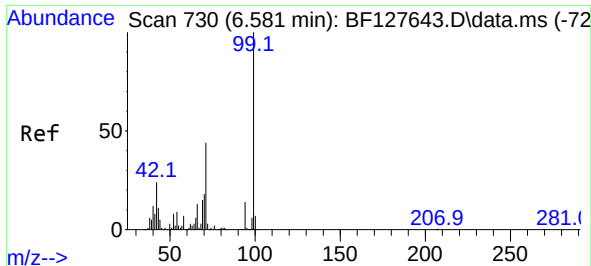


#5
2-Fluorophenol
Concen: 96.005 ng
RT: 5.569 min Scan# 558
Delta R.T. -0.012 min
Lab File: BF127833.D
Acq: 18 Apr 2022 18:57



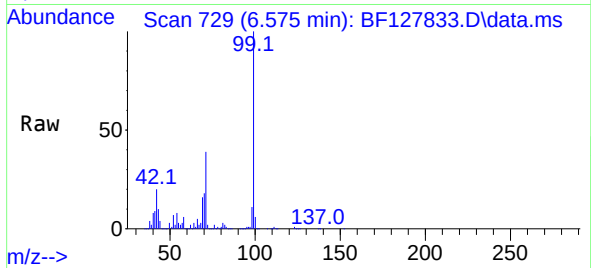
Tgt Ion:112 Resp: 698625
Ion Ratio Lower Upper
112 100
64 65.5 58.4 87.6
63 34.6 30.1 45.1





#7
Phenol-d6
Concen: 89.868 ng
RT: 6.575 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF127833.D
Acq: 18 Apr 2022 18:57

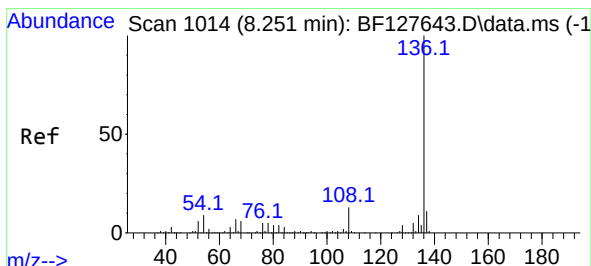
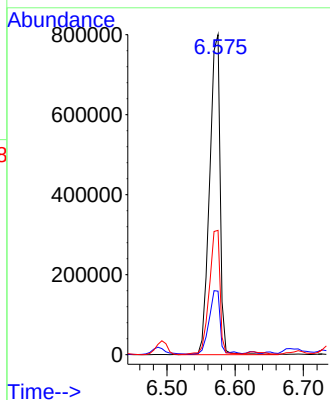
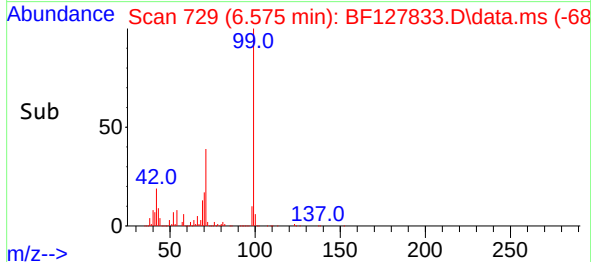
Instrument :
BNA_F
ClientSampleId :
SB-12



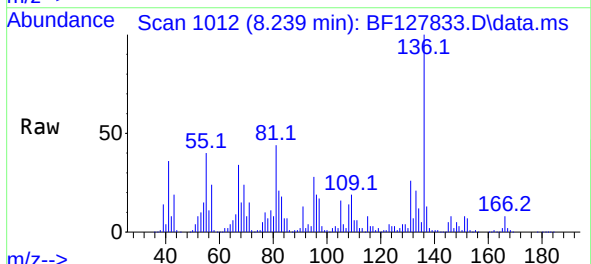
Tgt Ion: 99 Resp: 85552
Ion Ratio Lower Upper
99 100
42 19.9 17.8 26.6
71 38.9 29.6 44.4

Manual Integrations
APPROVED

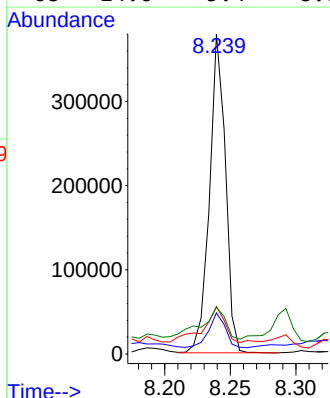
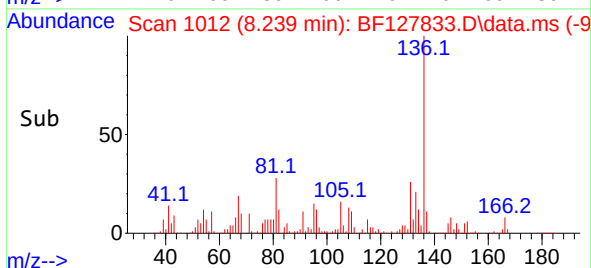
Reviewed By :Christian Giraldo 04/19/2022
Supervised By :Jagrut Upadhyay 04/19/2022

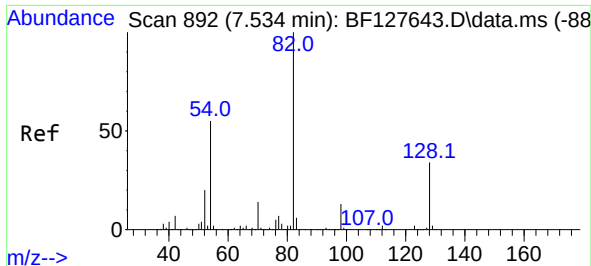


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.239 min Scan# 1012
Delta R.T. -0.006 min
Lab File: BF127833.D
Acq: 18 Apr 2022 18:57



Tgt Ion:136 Resp: 320560
Ion Ratio Lower Upper
136 100
137 12.9 8.6 13.0
54 14.9 9.2 13.8#
68 14.6 5.4 8.0#





#23

Nitrobenzene-d5

Concen: 78.851 ng

RT: 7.516 min Scan# 81

Delta R.T. -0.012 min

Lab File: BF127833.D

Acq: 18 Apr 2022 18:57

Instrument :

BNA_F

ClientSampleId :

SB-12

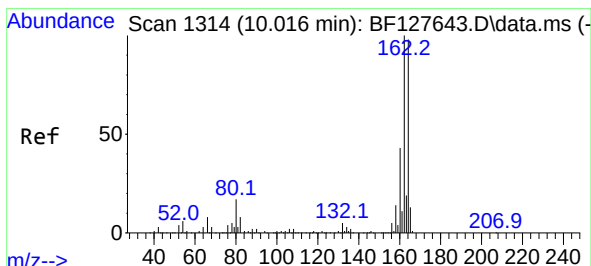
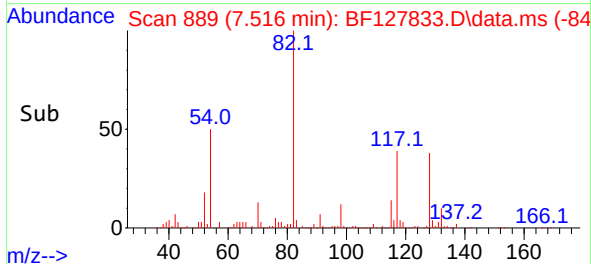
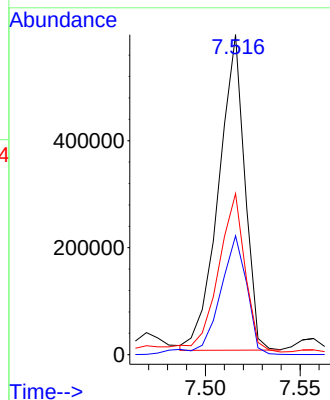
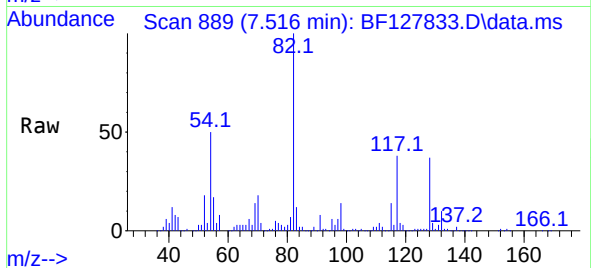
Tgt Ion: 82 Resp: 566974

Ion	Ratio	Lower	Upper
82	100		
128	37.2	30.6	45.8
54	50.4	48.2	72.2

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 04/19/2022
Supervised By :Jagrut Upadhyay 04/19/2022



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.010 min Scan# 1313

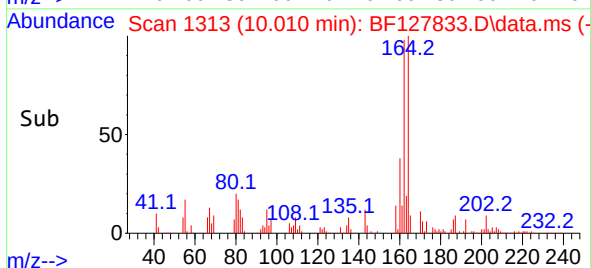
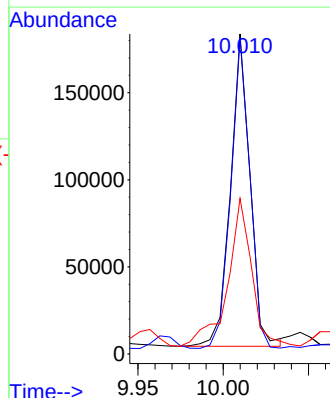
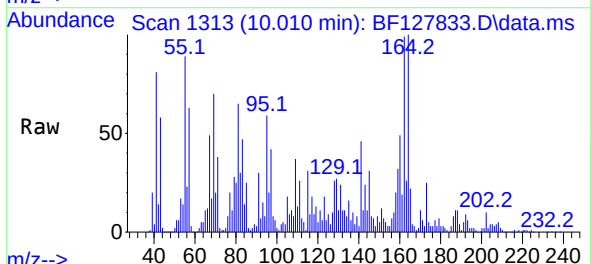
Delta R.T. 0.006 min

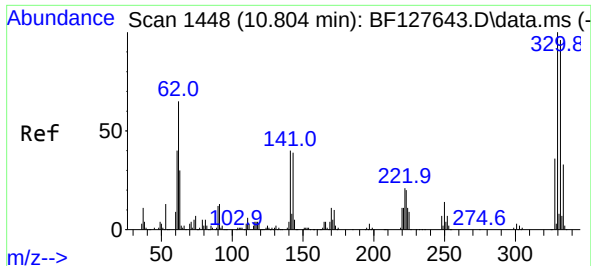
Lab File: BF127833.D

Acq: 18 Apr 2022 18:57

Tgt Ion:164 Resp: 143143

Ion	Ratio	Lower	Upper
164	100		
162	98.8	81.2	121.8
160	48.6	34.6	52.0





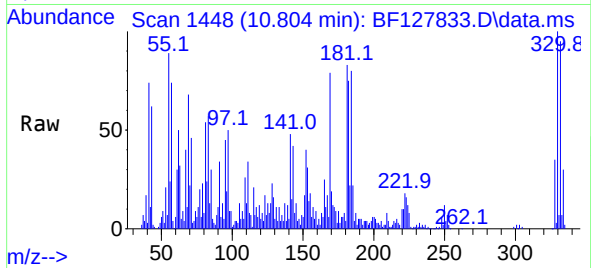
#42
2,4,6-Tribromophenol
Concen: 92.278 ng
RT: 10.804 min Scan# 1448
Delta R.T. 0.006 min
Lab File: BF127833.D
Acq: 18 Apr 2022 18:57

Instrument :

BNA_F

ClientSampleId :

SB-12

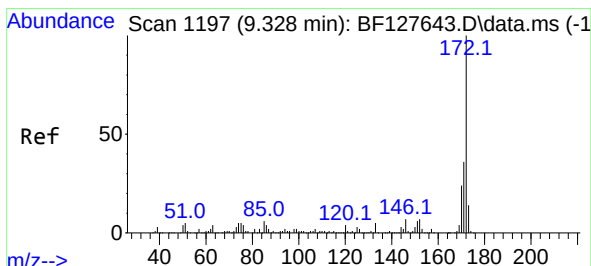
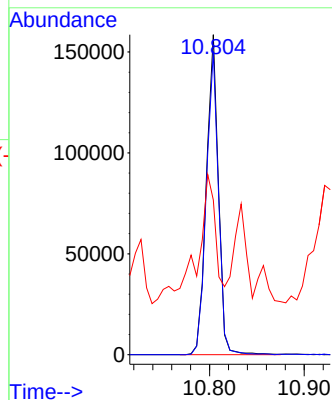
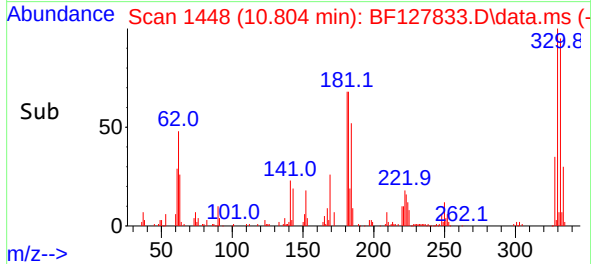


Tgt Ion:330 Resp: 140561
Ion Ratio Lower Upper
330 100
332 95.5 79.1 118.7
141 63.5 26.2 39.4

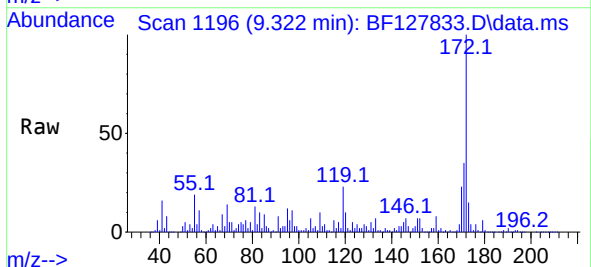
Manual Integrations

APPROVED

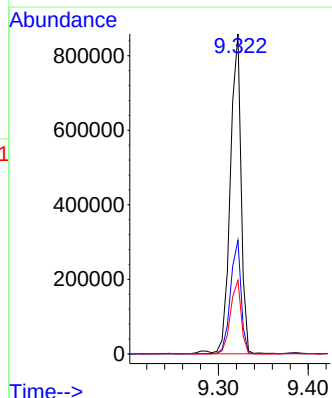
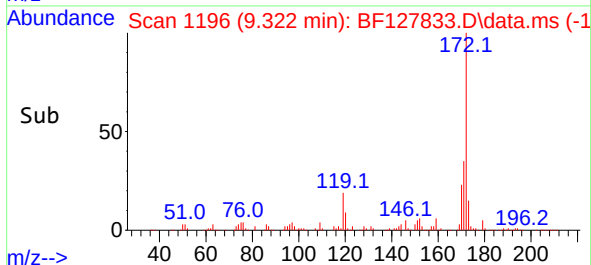
Reviewed By :Christian Giraldo 04/19/2022
Supervised By :Jagrut Upadhyay 04/19/2022

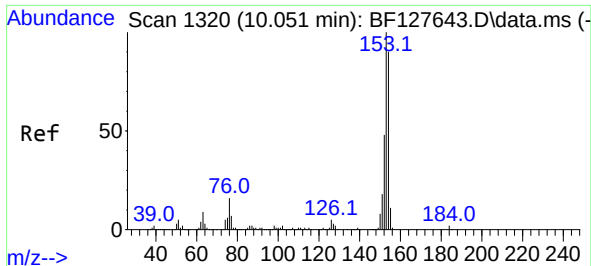


#45
2-Fluorobiphenyl
Concen: 71.065 ng
RT: 9.322 min Scan# 1196
Delta R.T. -0.000 min
Lab File: BF127833.D
Acq: 18 Apr 2022 18:57



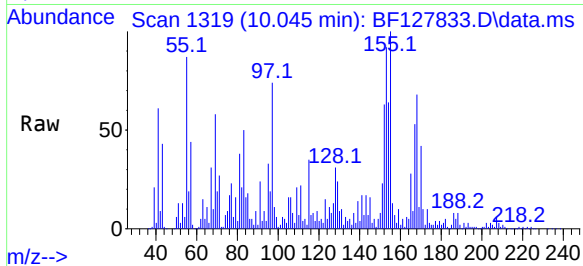
Tgt Ion:172 Resp: 719076
Ion Ratio Lower Upper
172 100
171 35.5 28.4 42.6
170 23.0 18.6 27.8





#52
Acenaphthene
Concen: 20.560 ng m
RT: 10.045 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF127833.D
Acq: 18 Apr 2022 18:57

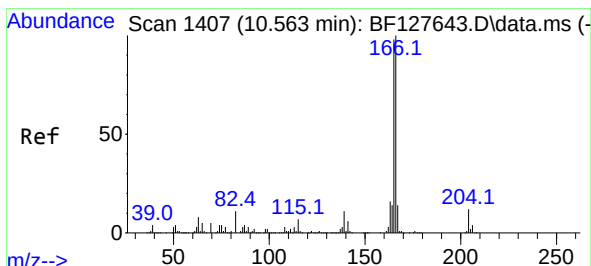
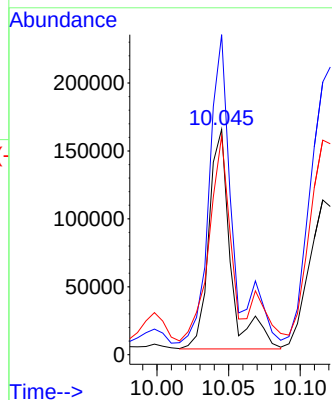
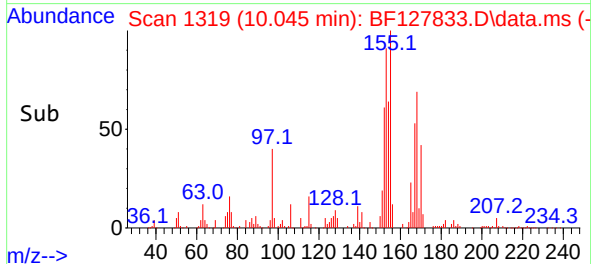
Instrument :
BNA_F
ClientSampleId :
SB-12



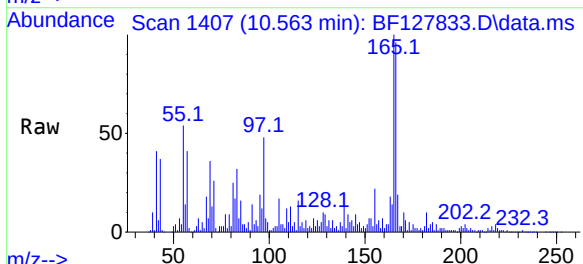
Tgt Ion:154 Resp: 17140
Ion Ratio Lower Upper
154 100
153 142.1 87.6 131.4
152 97.1 42.9 64.3

Manual Integrations
APPROVED

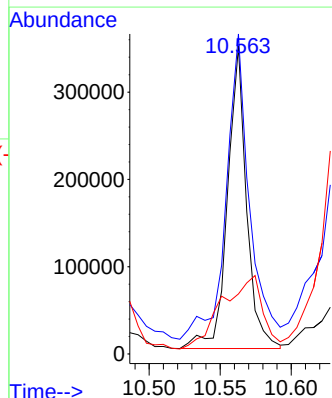
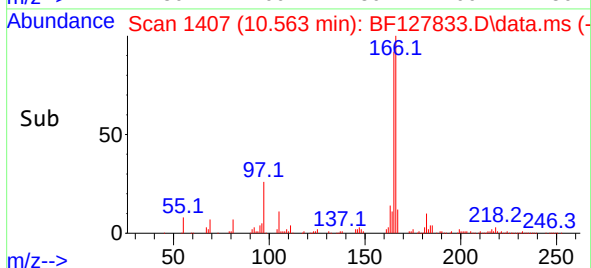
Reviewed By :Christian Giraldo 04/19/2022
Supervised By :Jagrut Upadhyay 04/19/2022

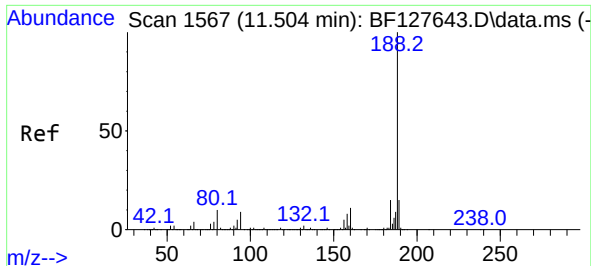


#58
Fluorene
Concen: 35.918 ng
RT: 10.563 min Scan# 1407
Delta R.T. 0.006 min
Lab File: BF127833.D
Acq: 18 Apr 2022 18:57



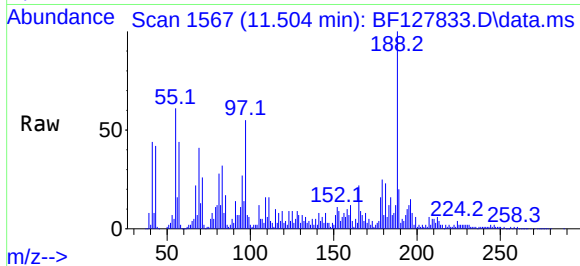
Tgt Ion:166 Resp: 322864
Ion Ratio Lower Upper
166 100
165 104.0 78.1 117.1
167 19.5 10.5 15.7





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.504 min Scan# 11567
Delta R.T. 0.012 min
Lab File: BF127833.D
Acq: 18 Apr 2022 18:57

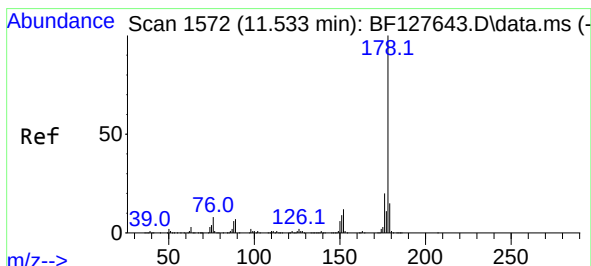
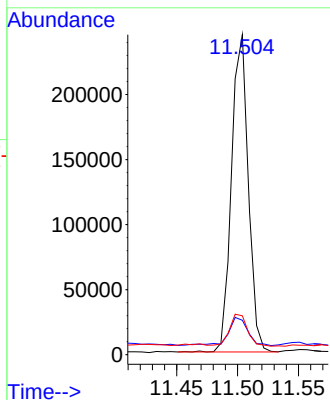
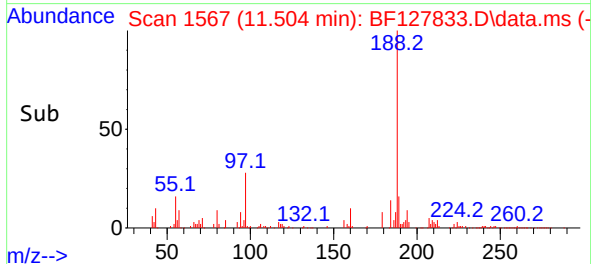
Instrument :
BNA_F
ClientSampleId :
SB-12



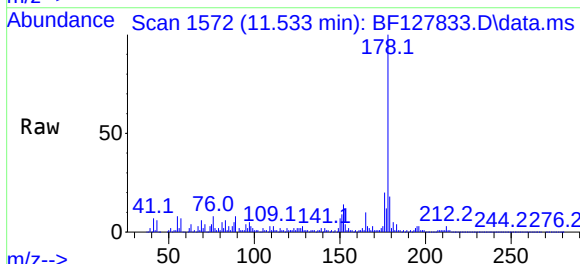
Tgt Ion:188 Resp: 233588
Ion Ratio Lower Upper
188 100
94 10.8 7.4 11.0
80 12.2 8.0 12.0

Manual Integrations
APPROVED

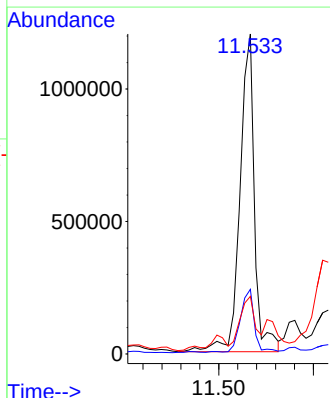
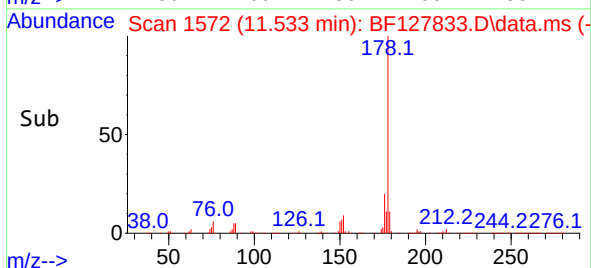
Reviewed By :Christian Giraldo 04/19/2022
Supervised By :Jagrut Upadhyay 04/19/2022

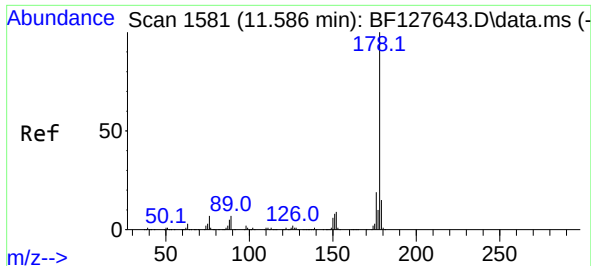


#71
Phenanthrene
Concen: 103.127 ng
RT: 11.533 min Scan# 1572
Delta R.T. 0.012 min
Lab File: BF127833.D
Acq: 18 Apr 2022 18:57



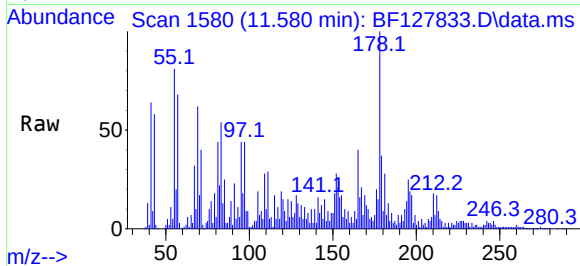
Tgt Ion:178 Resp: 1276331
Ion Ratio Lower Upper
178 100
176 20.2 15.4 23.2
179 18.0 12.4 18.6





#72
 Anthracene
 Concen: 8.273 ng m
 RT: 11.580 min Scan# 11580
 Delta R.T. 0.006 min
 Lab File: BF127833.D
 Acq: 18 Apr 2022 18:57

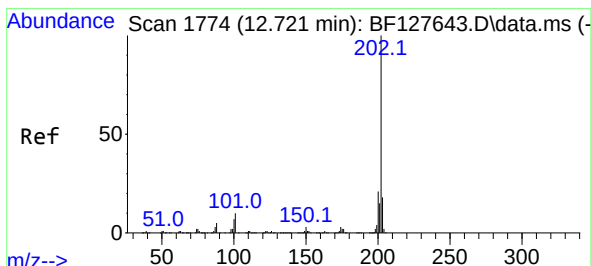
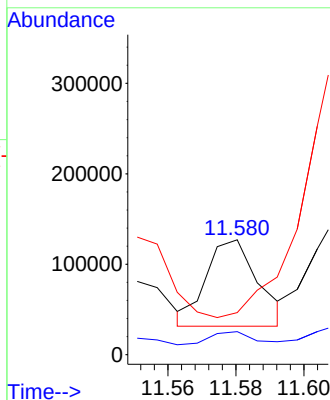
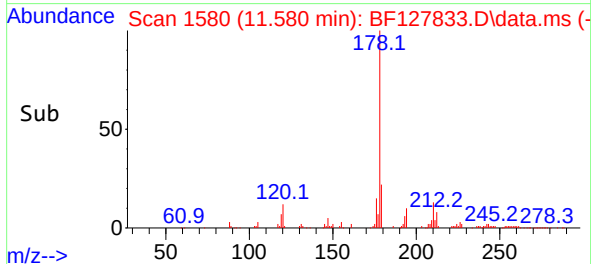
Instrument :
 BNA_F
 ClientSampleId :
 SB-12



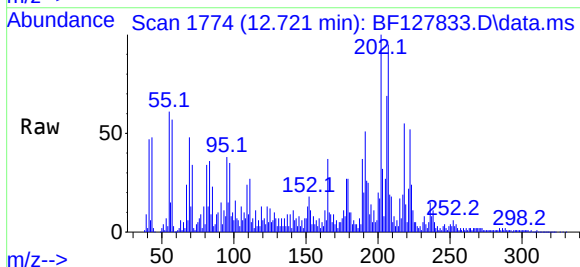
Tgt Ion:178 Resp: 101277
 Ion Ratio Lower Upper
 178 100
 176 20.0 14.6 22.0
 179 36.6 12.4 18.6

Manual Integrations
 APPROVED

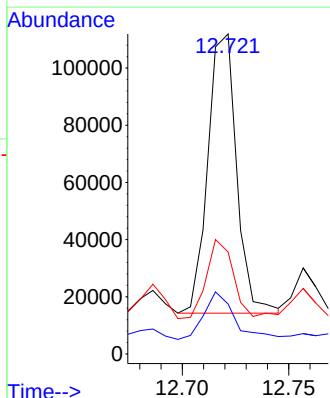
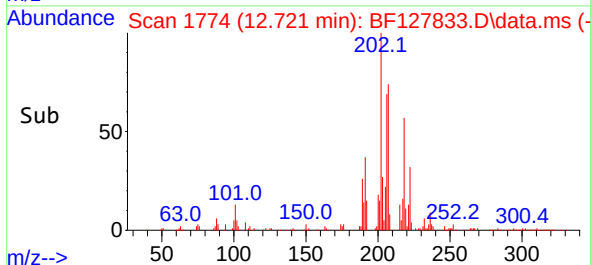
Reviewed By :Christian Giraldo 04/19/2022
 Supervised By :Jagrut Upadhyay 04/19/2022

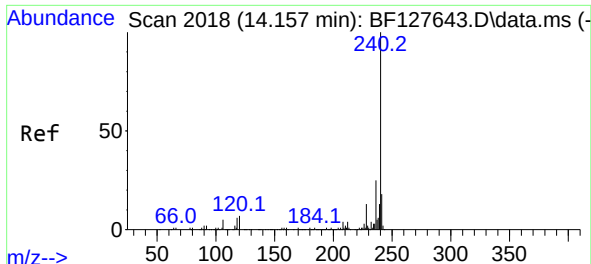


#75
 Fluoranthene
 Concen: 6.795 ng
 RT: 12.721 min Scan# 1774
 Delta R.T. 0.012 min
 Lab File: BF127833.D
 Acq: 18 Apr 2022 18:57



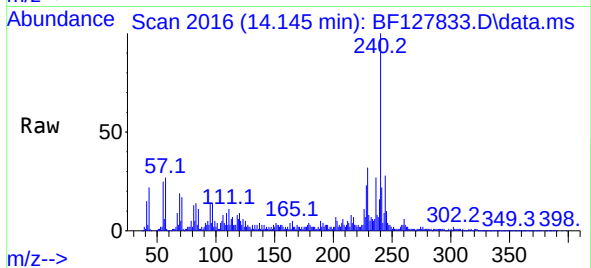
Tgt Ion:202 Resp: 91766
 Ion Ratio Lower Upper
 202 100
 101 15.6 0.0 29.0
 203 31.9 0.0 37.7





#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.145 min Scan# 2018
Delta R.T. -0.000 min
Lab File: BF127833.D
Acq: 18 Apr 2022 18:57

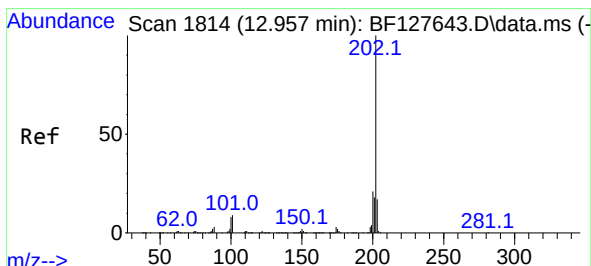
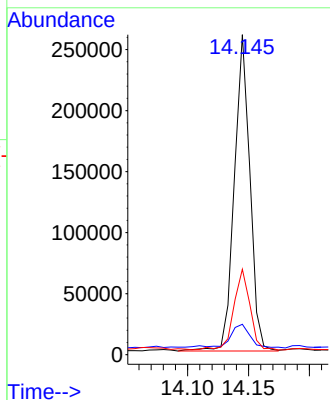
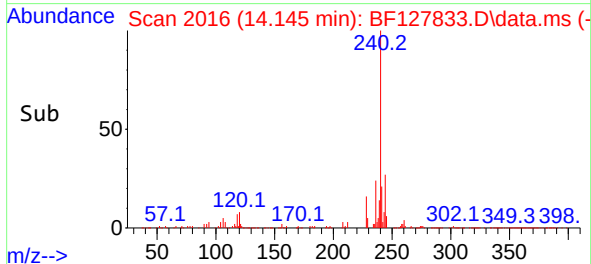
Instrument :
BNA_F
ClientSampleId :
SB-12



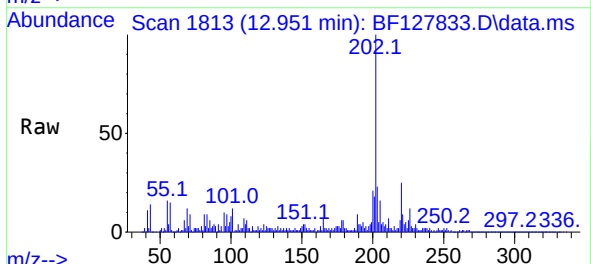
Tgt Ion:240 Resp: 230060
Ion Ratio Lower Upper
240 100
120 9.5 7.1 10.7
236 26.7 20.7 31.1

Manual Integrations
APPROVED

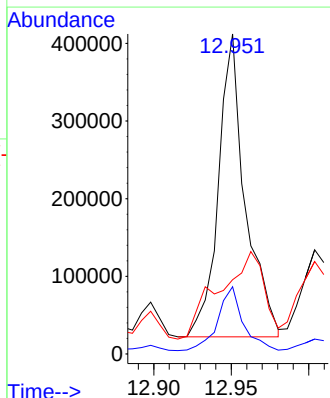
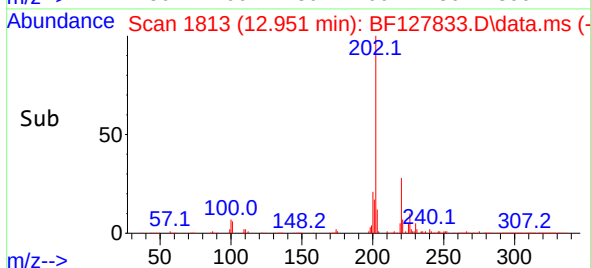
Reviewed By :Christian Giraldo 04/19/2022
Supervised By :Jagrut Upadhyay 04/19/2022

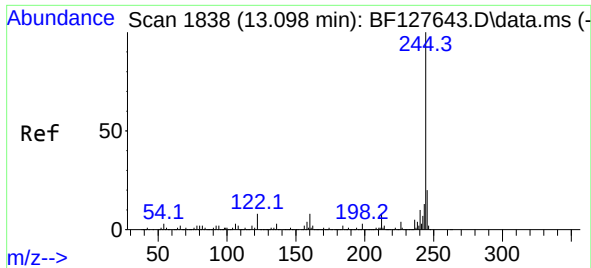


#78
Pyrene
Concen: 24.244 ng
RT: 12.951 min Scan# 1813
Delta R.T. 0.006 min
Lab File: BF127833.D
Acq: 18 Apr 2022 18:57



Tgt Ion:202 Resp: 471004
Ion Ratio Lower Upper
202 100
200 21.0 17.1 25.7
203 23.2 14.3 21.5#





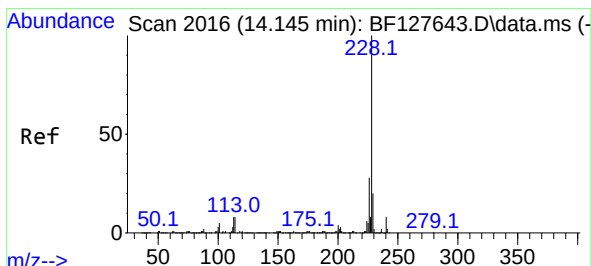
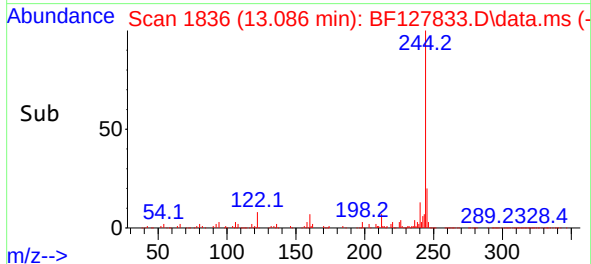
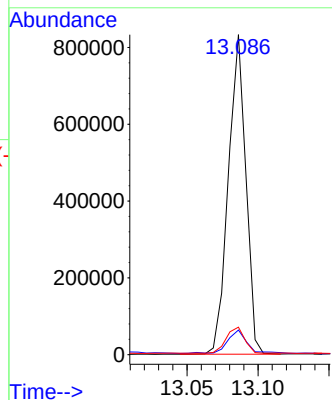
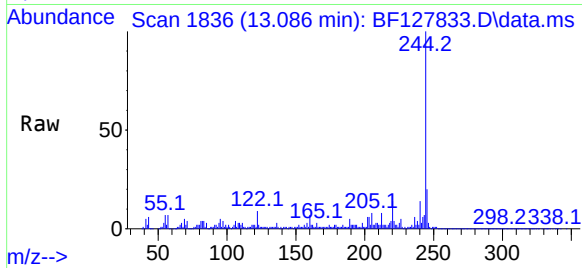
#79
Terphenyl-d14
Concen: 51.207 ng
RT: 13.086 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF127833.D
Acq: 18 Apr 2022 18:57

Instrument :
BNA_F
ClientSampleId :
SB-12

Tgt Ion:244 Resp: 71374
Ion Ratio Lower Upper
244 100
212 7.7 5.7 8.5
122 8.6 6.2 9.2

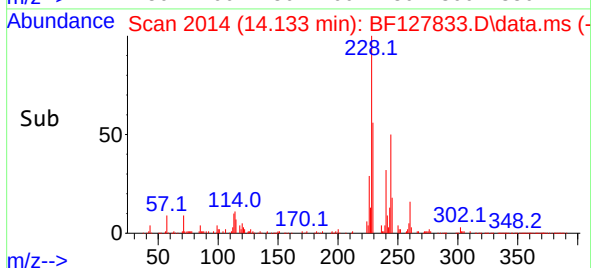
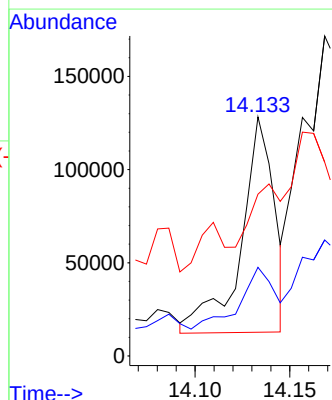
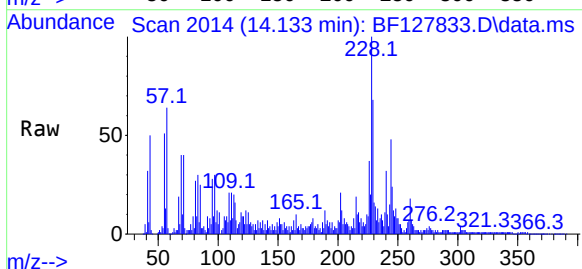
Manual Integrations
APPROVED

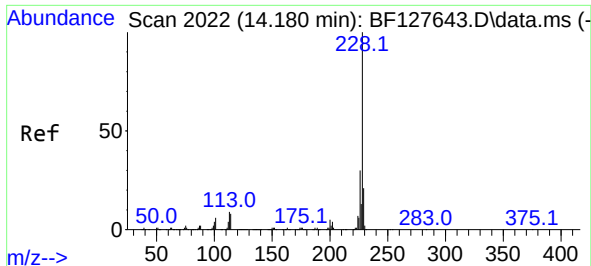
Reviewed By :Christian Giraldo 04/19/2022
Supervised By :Jagrut Upadhyay 04/19/2022



#81
Benzo(a)anthracene
Concen: 9.241 ng
RT: 14.133 min Scan# 2014
Delta R.T. -0.000 min
Lab File: BF127833.D
Acq: 18 Apr 2022 18:57

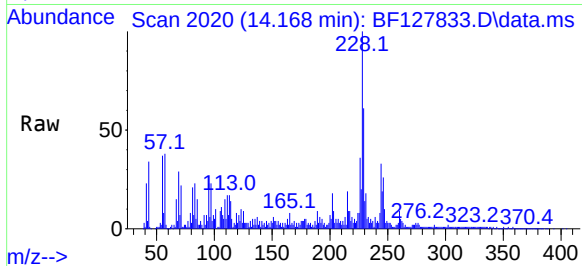
Tgt Ion:228 Resp: 142000
Ion Ratio Lower Upper
228 100
226 37.1 21.6 32.4#
229 67.7 15.4 23.2#





#83
Chrysene
Concen: 17.289 ng
RT: 14.168 min Scan# 2020
Delta R.T. -0.000 min
Lab File: BF127833.D
Acq: 18 Apr 2022 18:57

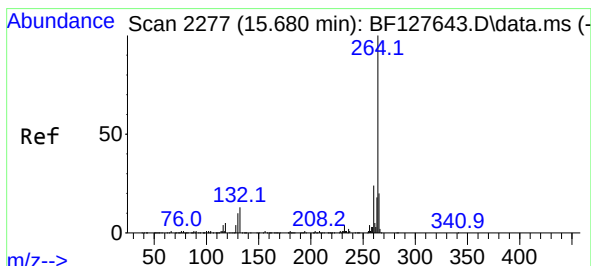
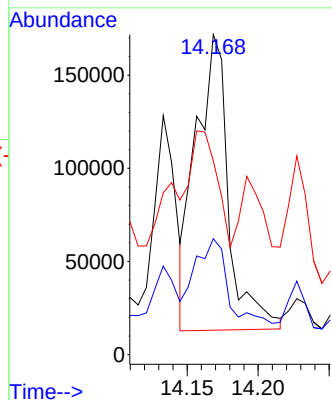
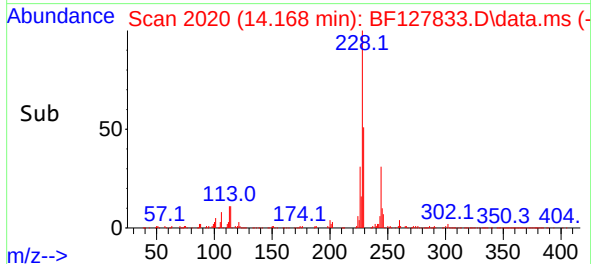
Instrument :
BNA_F
ClientSampleId :
SB-12



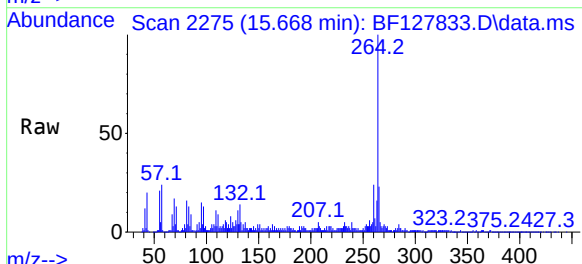
Tgt Ion:228 Resp: 25500
Ion Ratio Lower Upper
228 100
226 36.2 24.2 36.4
229 60.6 15.4 23.2

Manual Integrations
APPROVED

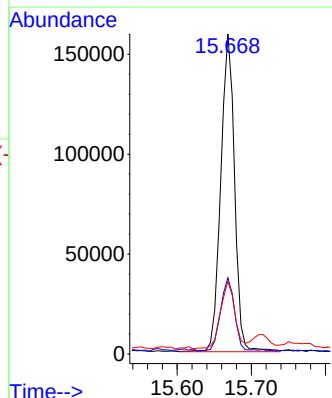
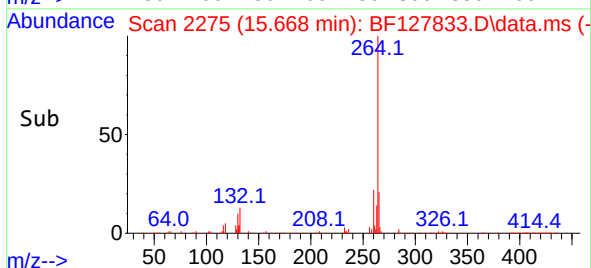
Reviewed By :Christian Giraldo 04/19/2022
Supervised By :Jagrut Upadhyay 04/19/2022

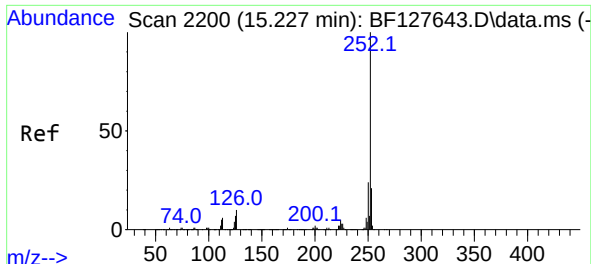


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.668 min Scan# 2275
Delta R.T. 0.006 min
Lab File: BF127833.D
Acq: 18 Apr 2022 18:57



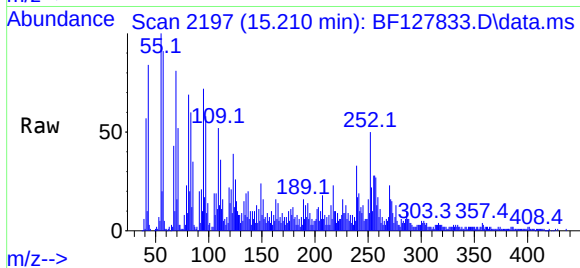
Tgt Ion:264 Resp: 206125
Ion Ratio Lower Upper
264 100
260 23.8 19.1 28.7
265 22.7 17.4 26.2





#88
Benzo(b)fluoranthene
Concen: 2.016 ng m
RT: 15.210 min Scan# 2197
Delta R.T. -0.000 min
Lab File: BF127833.D
Acq: 18 Apr 2022 18:57

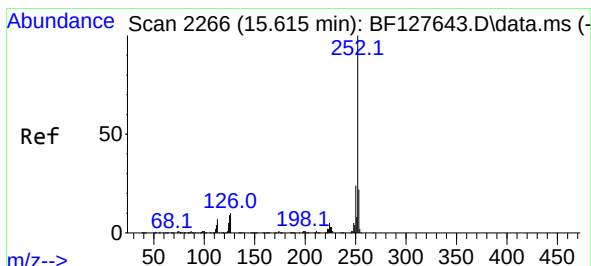
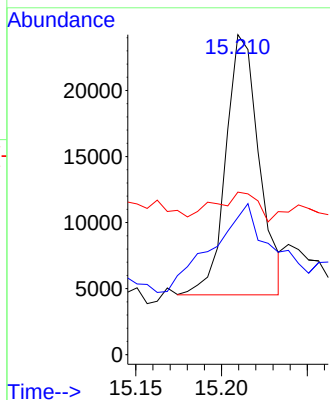
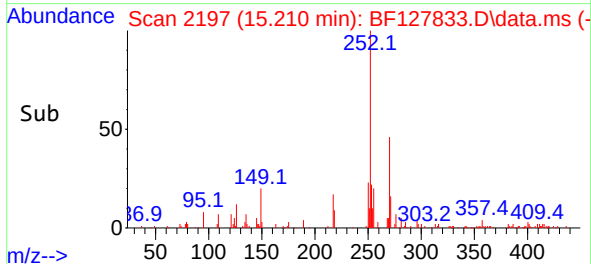
Instrument :
BNA_F
ClientSampleId :
SB-12



Tgt Ion:252 Resp: 26735
Ion Ratio Lower Upper
252 100
253 42.9 17.9 26.9#
125 50.8 7.0 10.4#

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 04/19/2022
Supervised By :Jagrut Upadhyay 04/19/2022



#90
Benzo(a)pyrene
Concen: 4.114 ng
RT: 15.604 min Scan# 2264
Delta R.T. 0.006 min
Lab File: BF127833.D
Acq: 18 Apr 2022 18:57

Tgt Ion:252 Resp: 44336
Ion Ratio Lower Upper
252 100
253 42.7 17.0 25.6#
125 29.6 6.7 10.1#

