

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030822\
 Data File : BF127265.D
 Acq On : 08 Mar 2022 18:29
 Operator : CG\JU
 Sample : N1830-07 2X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 350

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 03/09/2022
 Supervised By : Jagrut Upadhyay 03/09/2022

Quant Time: Mar 09 01:19:35 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF021622.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Mar 05 02:16:58 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	116871	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	444594	20.000	ng	# 0.00
39) Acenaphthene-d10	9.922	164	196873	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	285415	20.000	ng	0.00
76) Chrysene-d12	14.063	240	195989	20.000	ng	# 0.00
86) Perylene-d12	15.551	264	147297	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.499	112	341090	45.108	ng	0.00
7) Phenol-d6	6.510	99	442044	43.323	ng	0.00
23) Nitrobenzene-d5	7.440	82	300820	30.541	ng	-0.01
42) 2,4,6-Tribromophenol	10.710	330	81078	35.769	ng	0.00
45) 2-Fluorobiphenyl	9.234	172	492622	36.837	ng	0.00
79) Terphenyl-d14	12.998	244	391963	29.400	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.434	178	147297	9.220	ng	99
72) Anthracene	11.487	178	33169	2.086	ng	97
75) Fluoranthene	12.628	202	182680	12.043	ng	96
78) Pyrene	12.857	202	160457	9.424	ng	98
81) Benzo(a)anthracene	14.051	228	74939	5.672	ng	99
83) Chrysene	14.086	228	71261	5.735	ng	96
87) Indeno(1,2,3-cd)pyrene	17.063	276	23709	2.455	ng	# 85
88) Benzo(b)fluoranthene	15.116	252	76274m	7.710	ng	
89) Benzo(k)fluoranthene	15.139	252	21869m	2.292	ng	
90) Benzo(a)pyrene	15.486	252	45347m	5.868	ng	
92) Benzo(g,h,i)perylene	17.527	276	23694	3.009	ng	# 82

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

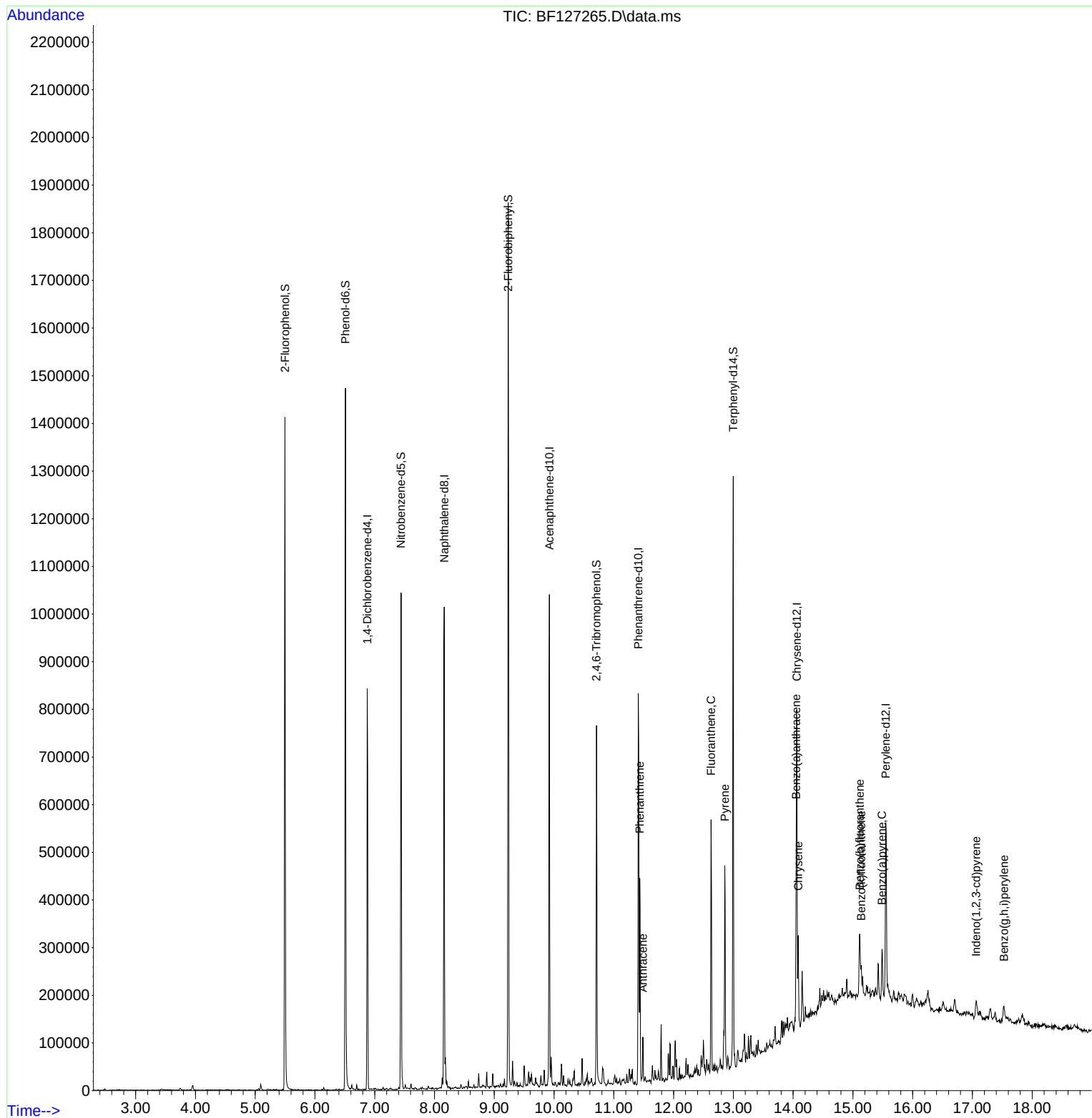
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030822\
Data File : BF127265.D
Acq On : 08 Mar 2022 18:29
Operator : CG\JU
Sample : N1830-07 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

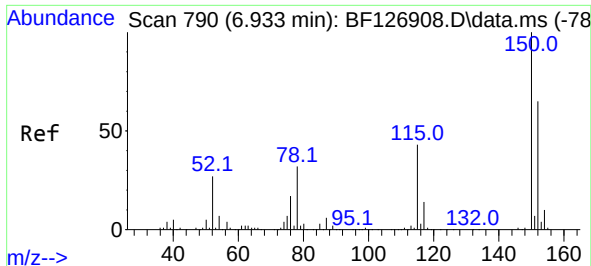
Instrument :
BNA_F
ClientSampleId :
350

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 03/09/2022
Supervised By :Jagrut Upadhyay 03/09/2022

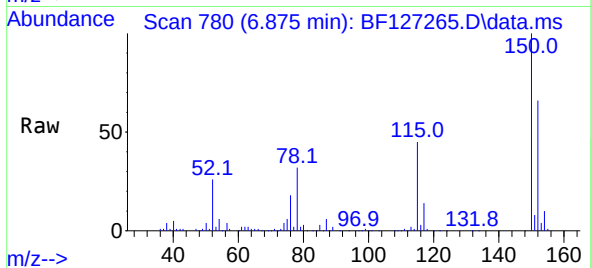
Quant Time: Mar 09 01:19:35 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF021622.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Mar 05 02:16:58 2022
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF127265.D
Acq: 08 Mar 2022 18:29

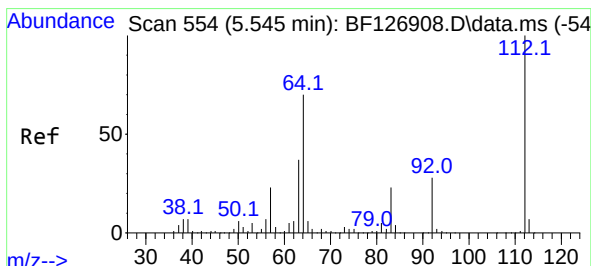
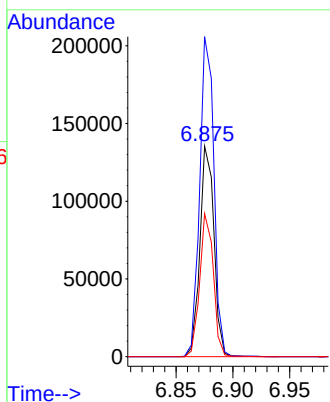
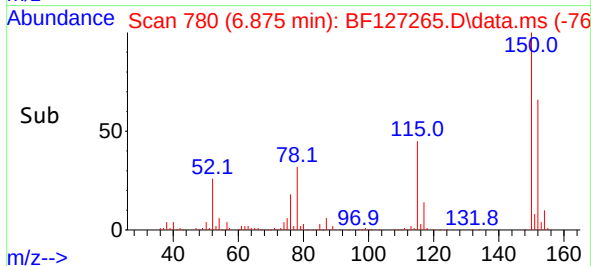
Instrument :
BNA_F
ClientSampleId :
350



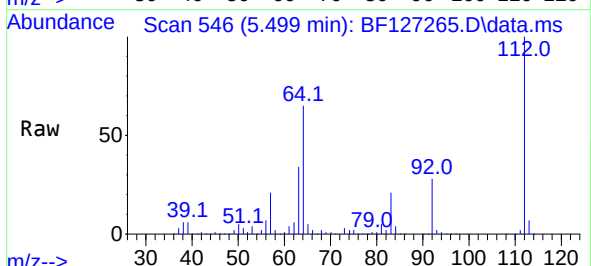
Tgt Ion:152 Resp: 11687
Ion Ratio Lower Upper
152 100
150 152.0 128.1 192.1
115 68.0 56.7 85.1

Manual Integrations
APPROVED

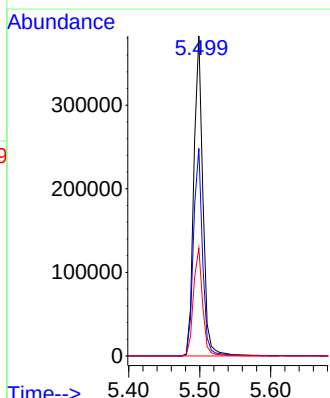
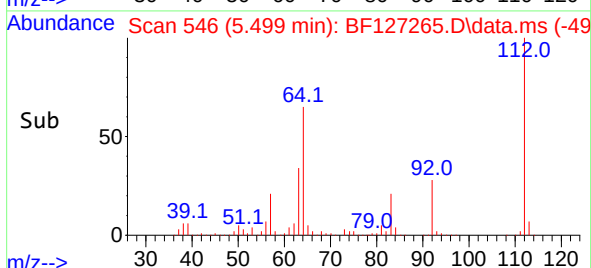
Reviewed By :Christian Giraldo 03/09/2022
Supervised By :Jagrut Upadhyay 03/09/2022

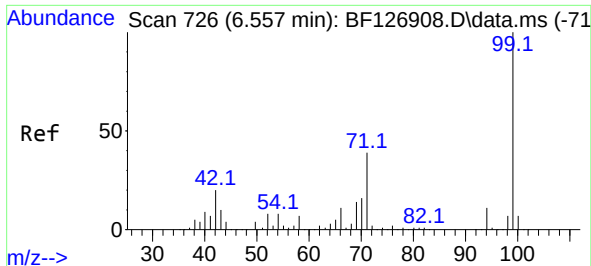


#5
2-Fluorophenol
Concen: 45.108 ng
RT: 5.499 min Scan# 546
Delta R.T. 0.000 min
Lab File: BF127265.D
Acq: 08 Mar 2022 18:29



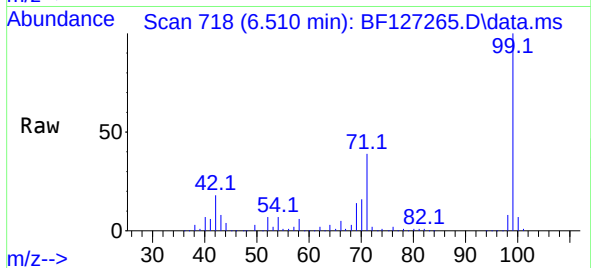
Tgt Ion:112 Resp: 341090
Ion Ratio Lower Upper
112 100
64 64.8 49.5 74.3
63 33.7 23.9 35.9





#7
Phenol-d6
Concen: 43.323 ng
RT: 6.510 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF127265.D
Acq: 08 Mar 2022 18:29

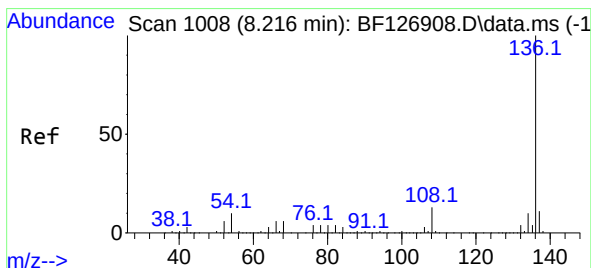
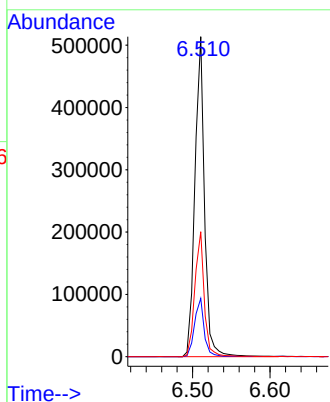
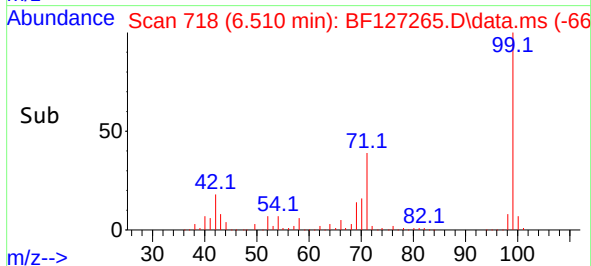
Instrument :
BNA_F
ClientSampleId :
350



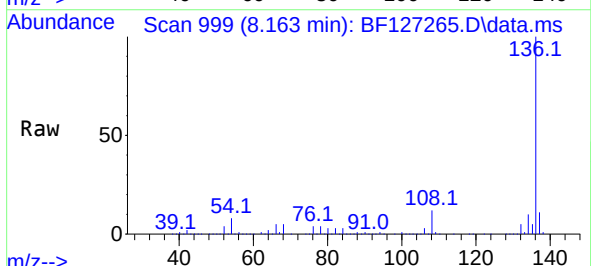
Tgt Ion: 99 Resp: 442044
Ion Ratio Lower Upper
99 100
42 18.2 14.2 21.4
71 39.0 24.3 36.5

Manual Integrations
APPROVED

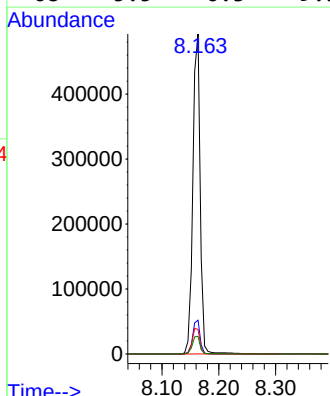
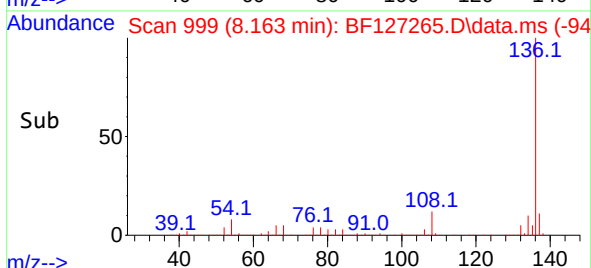
Reviewed By :Christian Giraldo 03/09/2022
Supervised By :Jagrut Upadhyay 03/09/2022

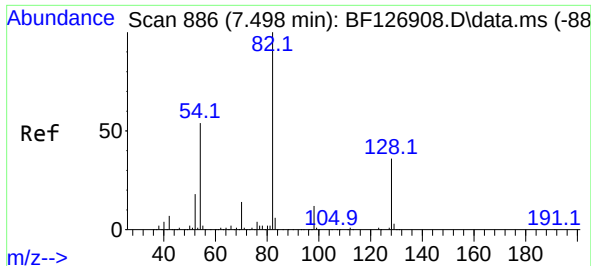


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 999
Delta R.T. 0.000 min
Lab File: BF127265.D
Acq: 08 Mar 2022 18:29



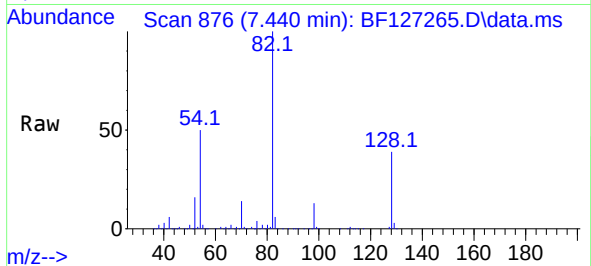
Tgt Ion:136 Resp: 444594
Ion Ratio Lower Upper
136 100
137 10.6 8.6 13.0
54 7.7 7.8 11.6#
68 5.5 6.3 9.5#





#23
Nitrobenzene-d5
Concen: 30.541 ng
RT: 7.440 min Scan# 81
Delta R.T. -0.012 min
Lab File: BF127265.D
Acq: 08 Mar 2022 18:29

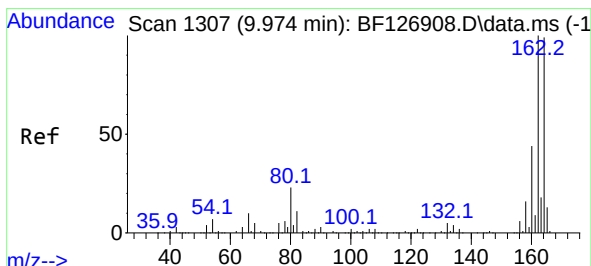
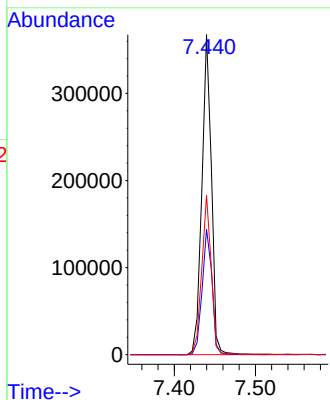
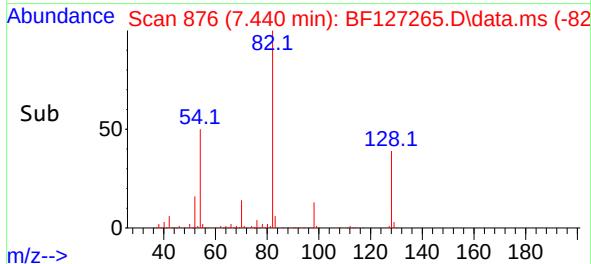
Instrument :
BNA_F
ClientSampleId :
350



Tgt Ion: 82 Resp: 300820
Ion Ratio Lower Upper
82 100
128 39.2 32.7 49.1
54 49.8 41.7 62.5

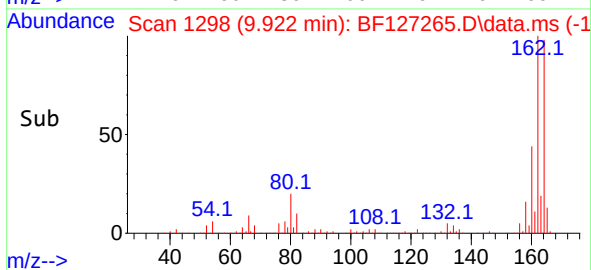
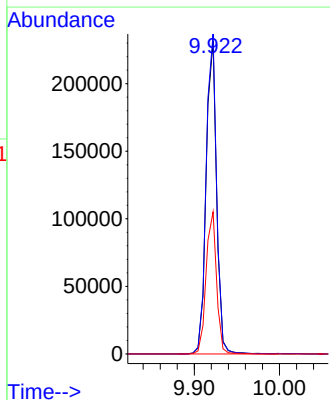
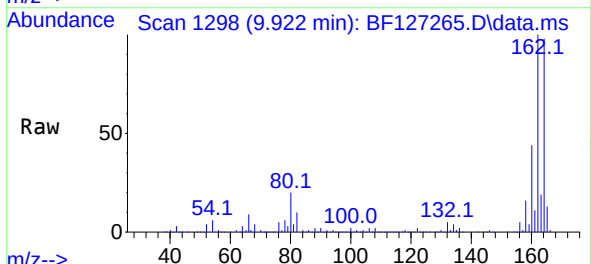
Manual Integrations
APPROVED

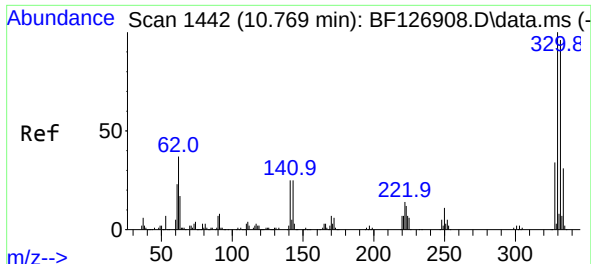
Reviewed By :Christian Giraldo 03/09/2022
Supervised By :Jagrut Upadhyay 03/09/2022



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1298
Delta R.T. 0.000 min
Lab File: BF127265.D
Acq: 08 Mar 2022 18:29

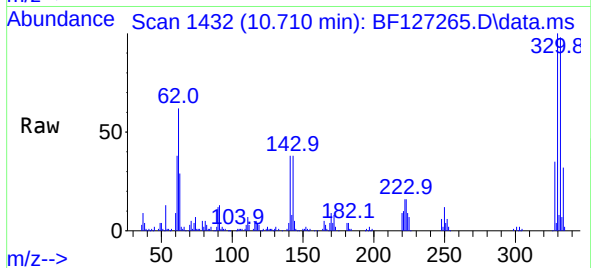
Tgt Ion:164 Resp: 196873
Ion Ratio Lower Upper
164 100
162 102.3 81.4 122.0
160 45.4 36.6 54.8





#42
2,4,6-Tribromophenol
Concen: 35.769 ng
RT: 10.710 min Scan# 1442
Delta R.T. -0.006 min
Lab File: BF127265.D
Acq: 08 Mar 2022 18:29

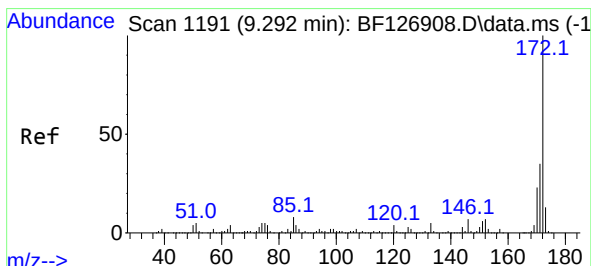
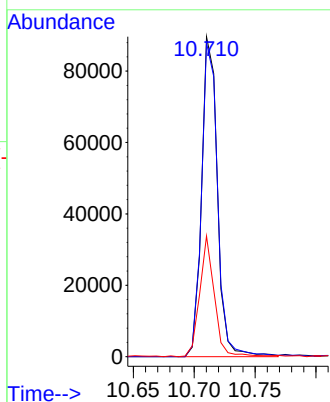
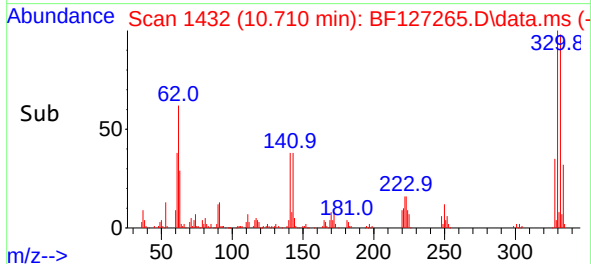
Instrument :
BNA_F
ClientSampleId :
350



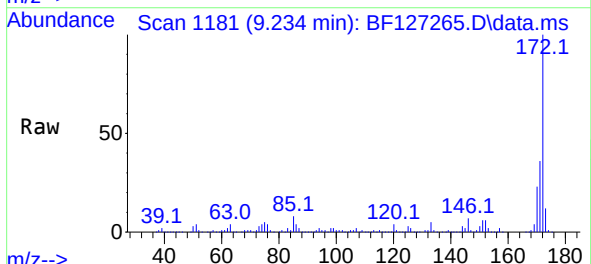
Tgt Ion: 330 Resp: 81078
Ion Ratio Lower Upper
330 100
332 100.9 76.0 114.0
141 35.2 30.1 45.1

Manual Integrations
APPROVED

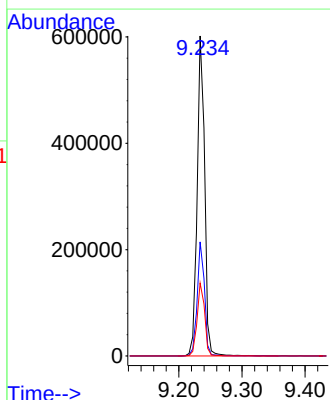
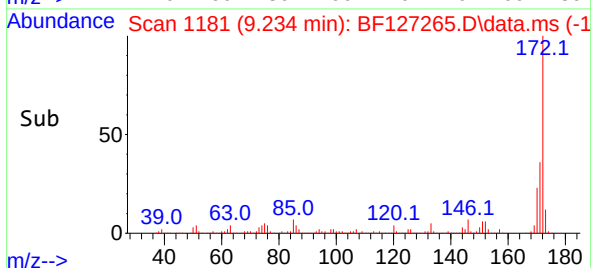
Reviewed By : Christian Giraldo 03/09/2022
Supervised By : Jagrut Upadhyay 03/09/2022

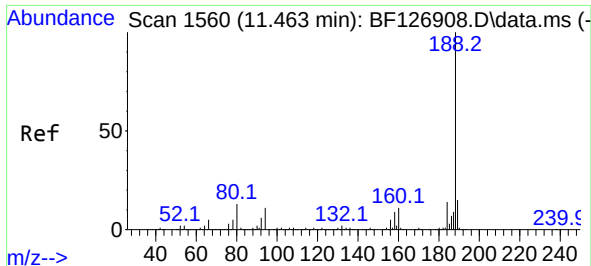


#45
2-Fluorobiphenyl
Concen: 36.837 ng
RT: 9.234 min Scan# 1181
Delta R.T. -0.006 min
Lab File: BF127265.D
Acq: 08 Mar 2022 18:29



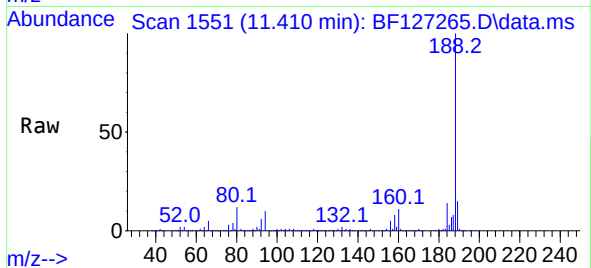
Tgt Ion: 172 Resp: 492622
Ion Ratio Lower Upper
172 100
171 35.7 28.3 42.5
170 22.8 19.0 28.6





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF127265.D
Acq: 08 Mar 2022 18:29

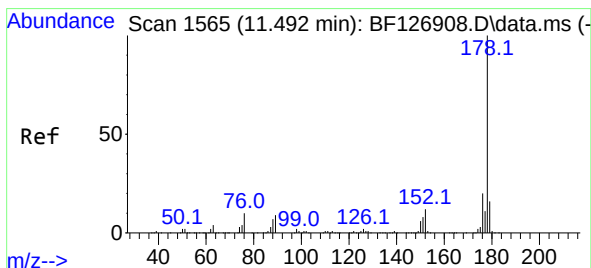
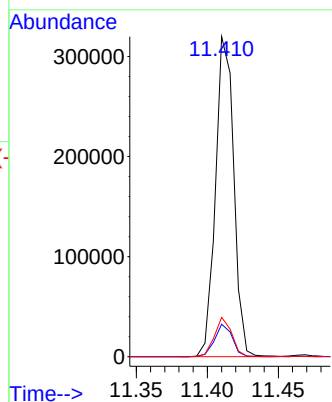
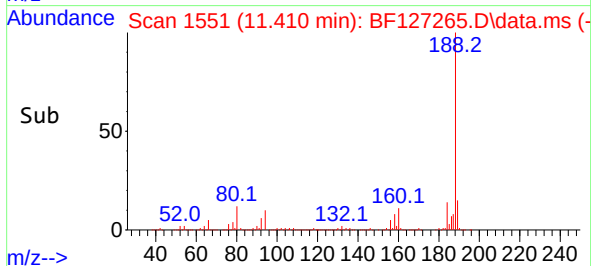
Instrument :
BNA_F
ClientSampleId :
350



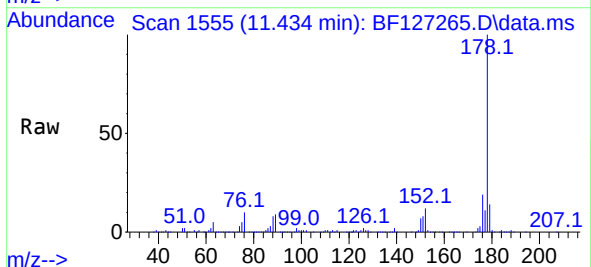
Tgt Ion:188 Resp: 285415
Ion Ratio Lower Upper
188 100
94 10.2 10.1 15.1
80 12.3 11.8 17.6

Manual Integrations
APPROVED

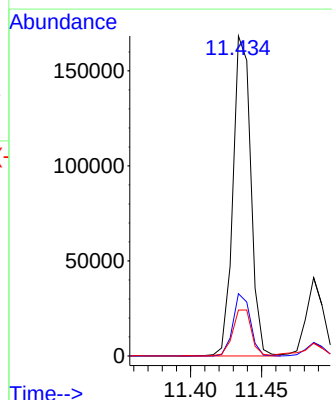
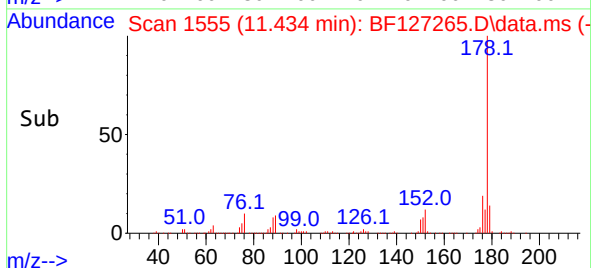
Reviewed By :Christian Giraldo 03/09/2022
Supervised By :Jagrut Upadhyay 03/09/2022

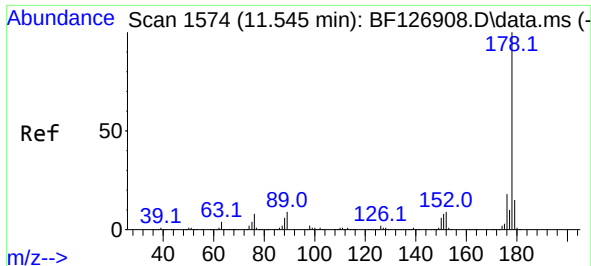


#71
Phenanthrene
Concen: 9.220 ng
RT: 11.434 min Scan# 1555
Delta R.T. -0.006 min
Lab File: BF127265.D
Acq: 08 Mar 2022 18:29



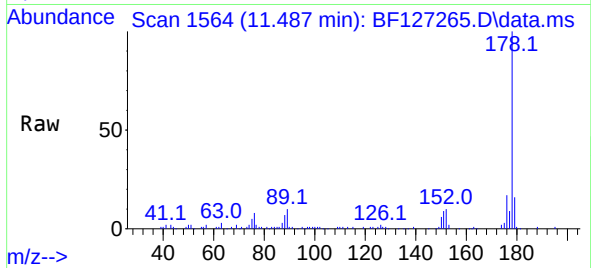
Tgt Ion:178 Resp: 147297
Ion Ratio Lower Upper
178 100
176 19.5 15.7 23.5
179 14.4 12.3 18.5





#72
 Anthracene
 Concen: 2.086 ng
 RT: 11.487 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF127265.D
 Acq: 08 Mar 2022 18:29

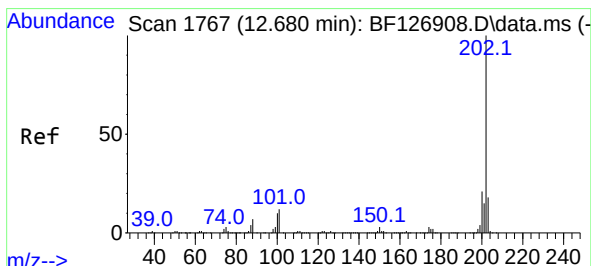
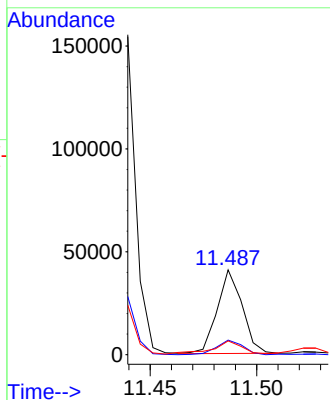
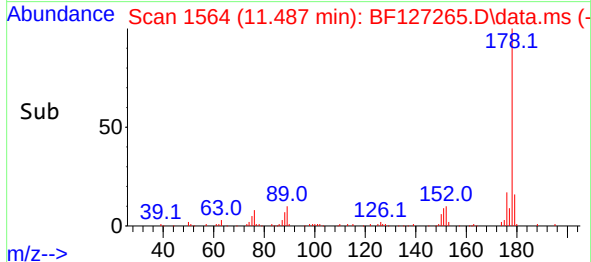
Instrument :
 BNA_F
 ClientSampleId :
 350



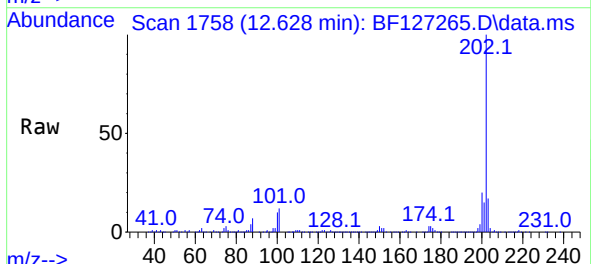
Tgt Ion:178 Resp: 33169
 Ion Ratio Lower Upper
 178 100
 176 17.1 15.0 22.6
 179 16.3 12.5 18.7

Manual Integrations
 APPROVED

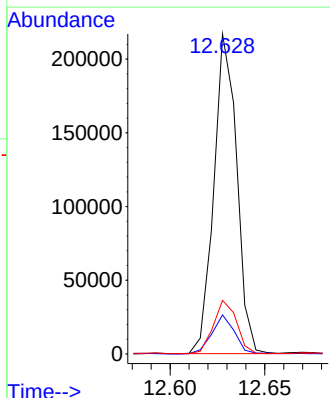
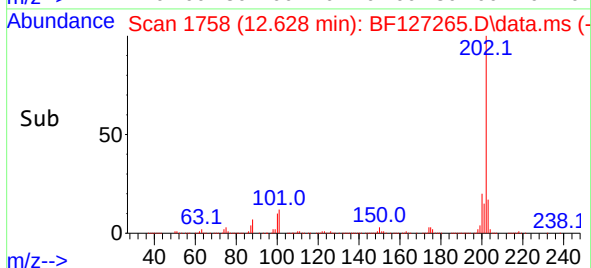
Reviewed By :Christian Giraldo 03/09/2022
 Supervised By :Jagrut Upadhyay 03/09/2022

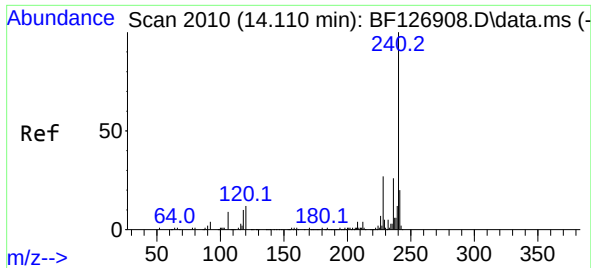


#75
 Fluoranthene
 Concen: 12.043 ng
 RT: 12.628 min Scan# 1758
 Delta R.T. -0.006 min
 Lab File: BF127265.D
 Acq: 08 Mar 2022 18:29



Tgt Ion:202 Resp: 182680
 Ion Ratio Lower Upper
 202 100
 101 12.2 0.0 35.7
 203 16.8 0.0 37.1





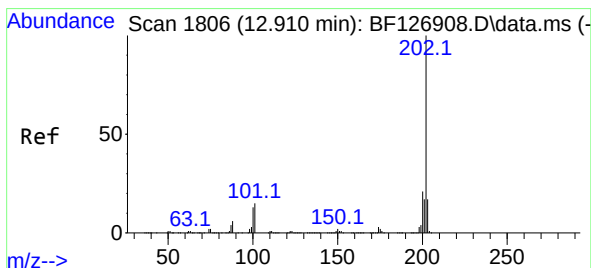
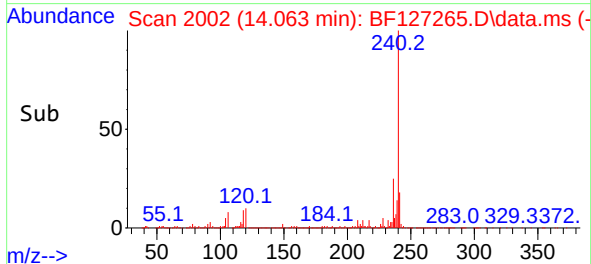
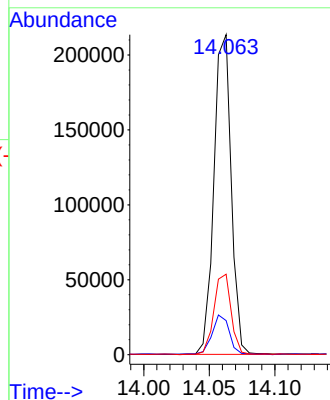
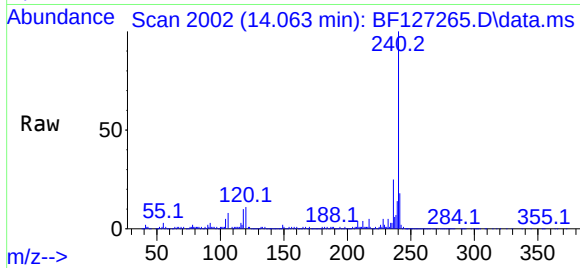
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.063 min Scan# 2010
Delta R.T. 0.000 min
Lab File: BF127265.D
Acq: 08 Mar 2022 18:29

Instrument :
BNA_F
ClientSampleId :
350

Tgt Ion:240 Resp: 195989
Ion Ratio Lower Upper
240 100
120 10.7 14.4 21.6
236 25.2 20.5 30.7

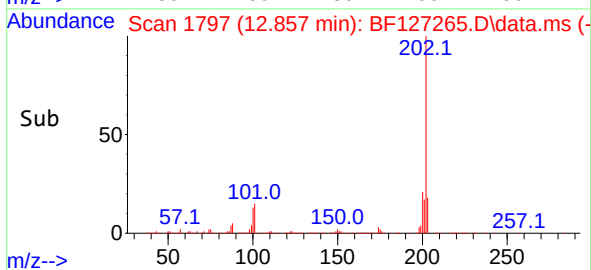
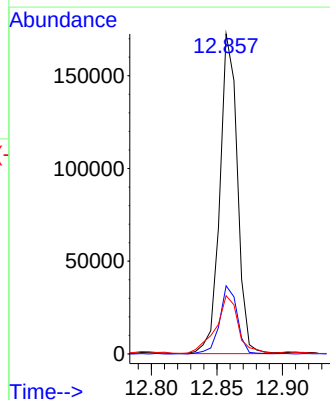
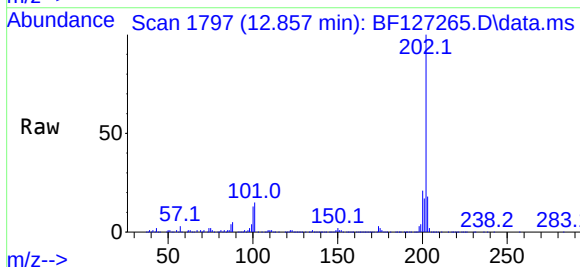
Manual Integrations
APPROVED

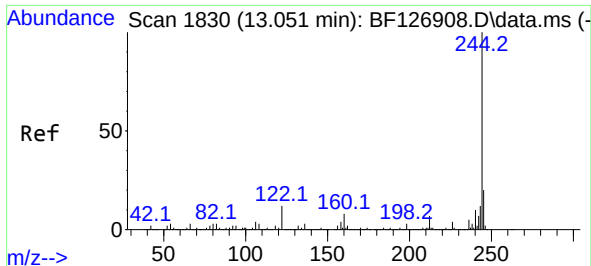
Reviewed By :Christian Giraldo 03/09/2022
Supervised By :Jagrut Upadhyay 03/09/2022



#78
Pyrene
Concen: 9.424 ng
RT: 12.857 min Scan# 1797
Delta R.T. -0.006 min
Lab File: BF127265.D
Acq: 08 Mar 2022 18:29

Tgt Ion:202 Resp: 160457
Ion Ratio Lower Upper
202 100
200 21.3 16.6 24.8
203 18.2 13.8 20.8





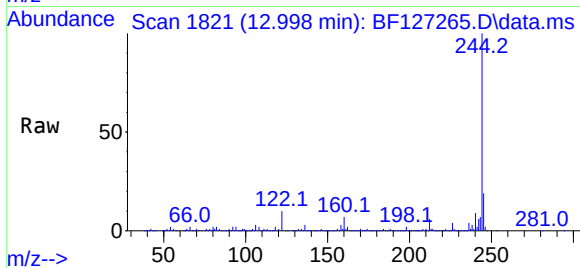
#79
 Terphenyl-d14
 Concen: 29.400 ng
 RT: 12.998 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: BF127265.D
 Acq: 08 Mar 2022 18:29

Instrument :

BNA_F

ClientSampleId :

350

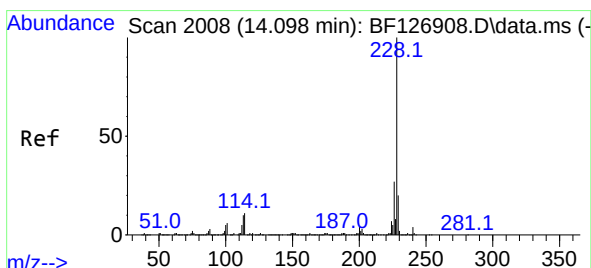
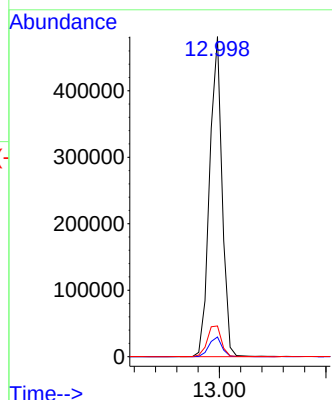
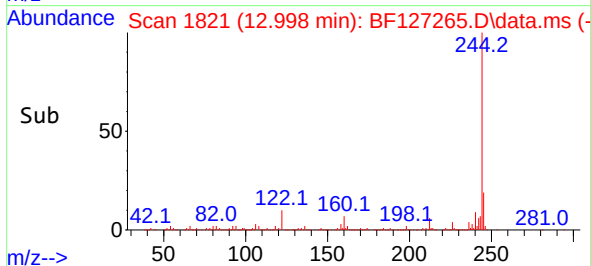


Tgt Ion:244 Resp: 39196
 Ion Ratio Lower Upper
 244 100
 212 6.2 5.0 7.4
 122 9.6 13.3 19.9

Manual Integrations

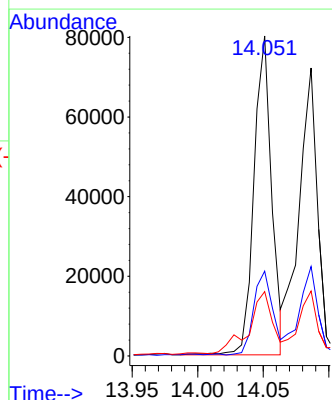
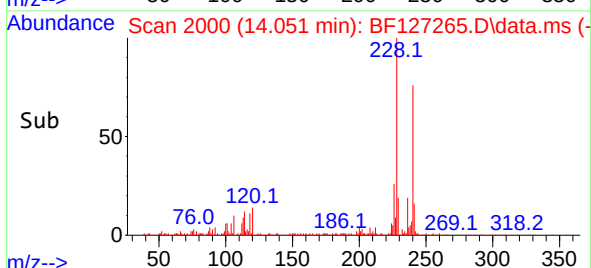
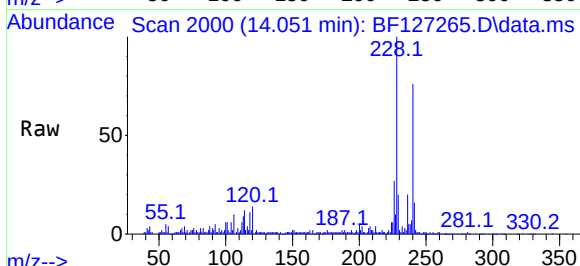
APPROVED

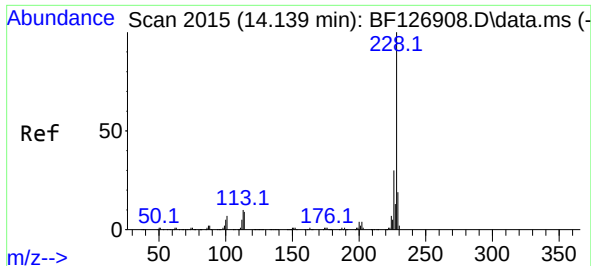
Reviewed By :Christian Giraldo 03/09/2022
 Supervised By :Jagrut Upadhyay 03/09/2022



#81
 Benzo(a)anthracene
 Concen: 5.672 ng
 RT: 14.051 min Scan# 2000
 Delta R.T. 0.000 min
 Lab File: BF127265.D
 Acq: 08 Mar 2022 18:29

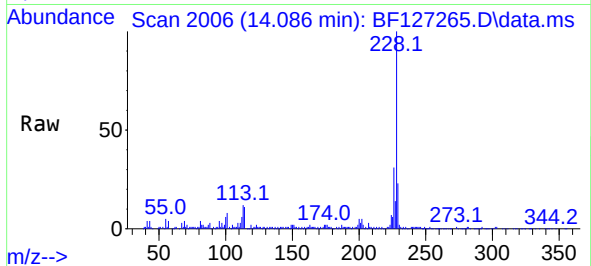
Tgt Ion:228 Resp: 74939
 Ion Ratio Lower Upper
 228 100
 226 26.5 21.4 32.0
 229 20.1 15.4 23.2





#83
Chrysene
Concen: 5.735 ng
RT: 14.086 min Scan# 2015
Delta R.T. 0.000 min
Lab File: BF127265.D
Acq: 08 Mar 2022 18:29

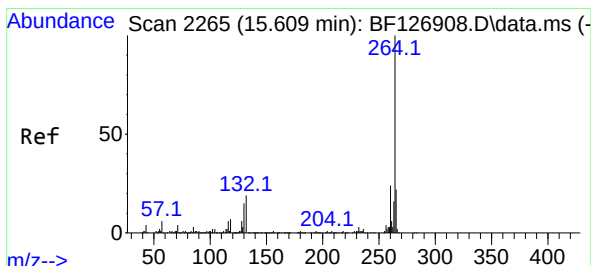
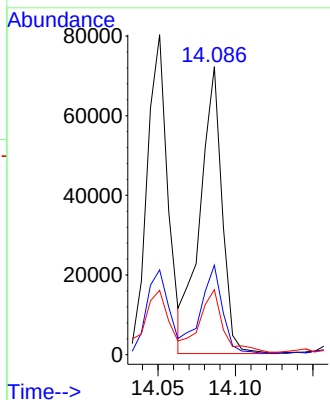
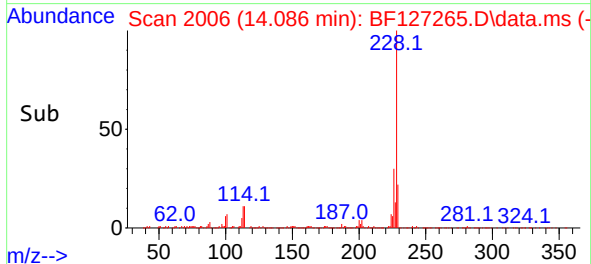
Instrument :
BNA_F
ClientSampleId :
350



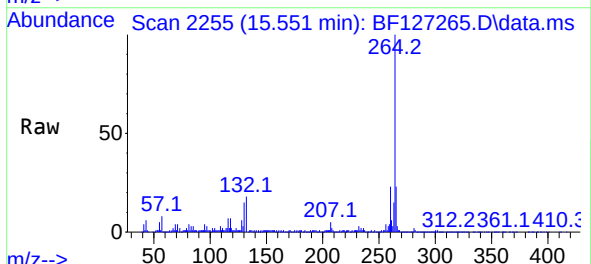
Tgt Ion:228 Resp: 7126
Ion Ratio Lower Upper
228 100
226 31.0 23.7 35.5
229 22.6 15.5 23.3

Manual Integrations
APPROVED

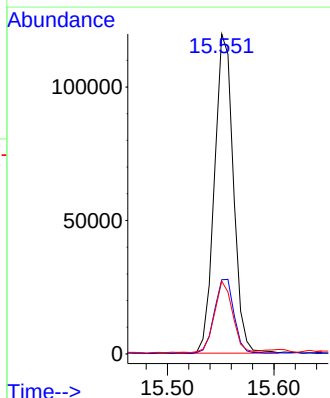
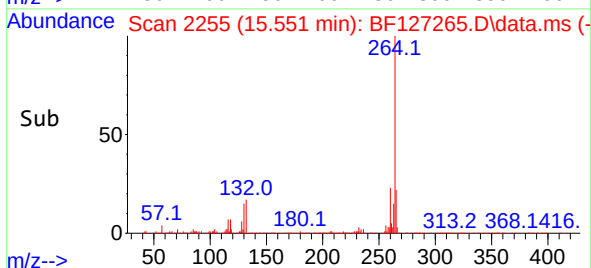
Reviewed By :Christian Giraldo 03/09/2022
Supervised By :Jagrut Upadhyay 03/09/2022

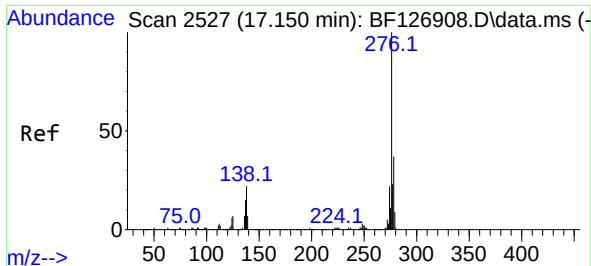


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.551 min Scan# 2255
Delta R.T. 0.006 min
Lab File: BF127265.D
Acq: 08 Mar 2022 18:29



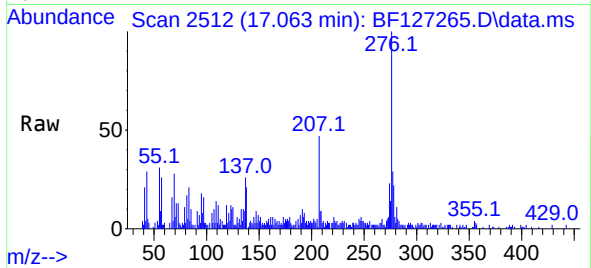
Tgt Ion:264 Resp: 147297
Ion Ratio Lower Upper
264 100
260 23.2 19.2 28.8
265 22.8 17.4 26.2





#87
Indeno(1,2,3-cd)pyrene
Concen: 2.455 ng
RT: 17.063 min Scan# 2180
Delta R.T. 0.006 min
Lab File: BF127265.D
Acq: 08 Mar 2022 18:29

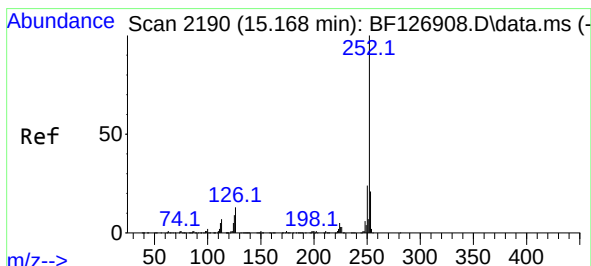
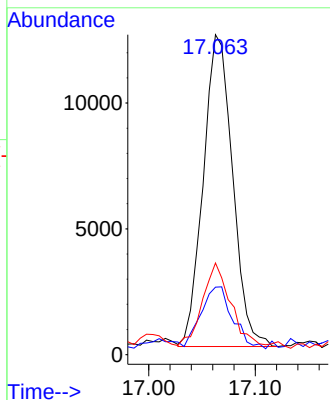
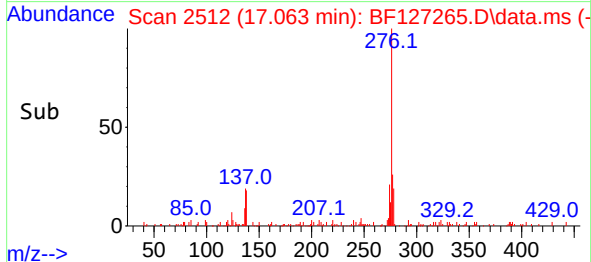
Instrument :
BNA_F
ClientSampleId :
350



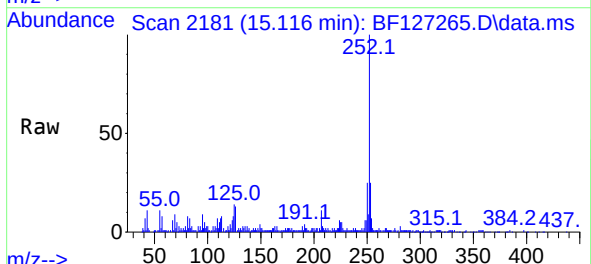
Tgt Ion:276 Resp: 23709
Ion Ratio Lower Upper
276 100
138 21.5 29.2 43.8
277 24.9 19.8 29.8

Manual Integrations
APPROVED

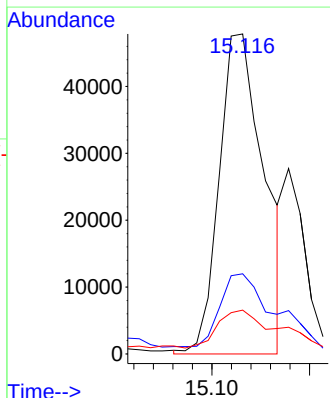
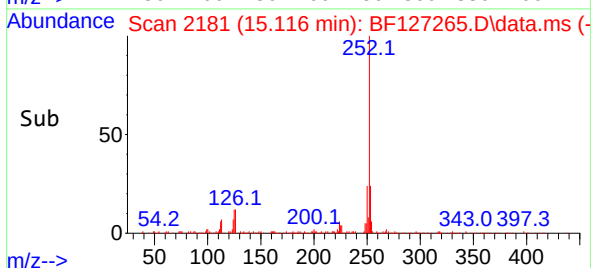
Reviewed By :Christian Giraldo 03/09/2022
Supervised By :Jagrut Upadhyay 03/09/2022

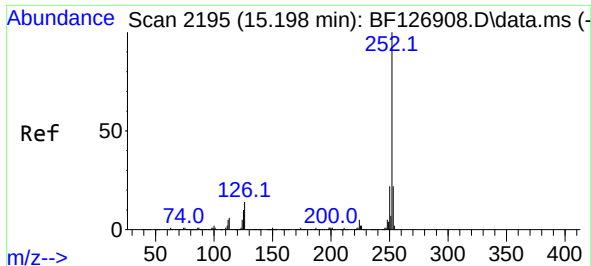


#88
Benzo(b)fluoranthene
Concen: 7.710 ng m
RT: 15.116 min Scan# 2181
Delta R.T. 0.006 min
Lab File: BF127265.D
Acq: 08 Mar 2022 18:29



Tgt Ion:252 Resp: 76274
Ion Ratio Lower Upper
252 100
253 25.1 17.8 26.8
125 13.7 12.4 18.6





#89

Benzo(k)fluoranthene

Concen: 2.292 ng m

RT: 15.139 min Scan# 2195

Delta R.T. 0.000 min

Lab File: BF127265.D

Acq: 08 Mar 2022 18:29

Instrument :

BNA_F

ClientSampleId :

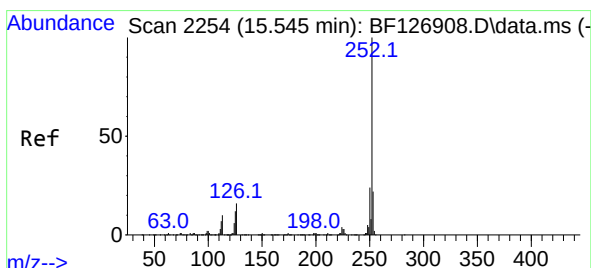
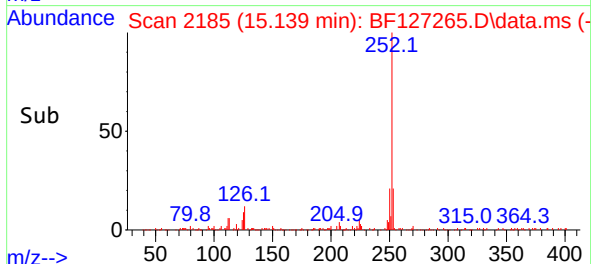
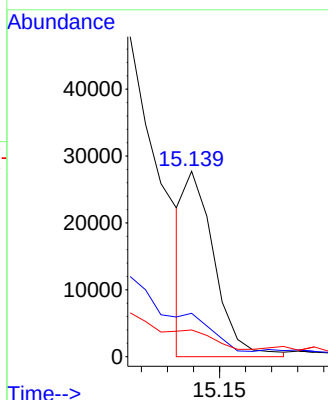
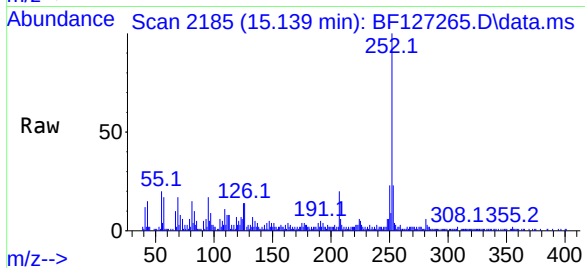
350

Tgt Ion:252	Resp:	21869
Ion Ratio	Lower	Upper
252	100	
253	23.4	17.5 26.3
125	14.4	11.8 17.6

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 03/09/2022
Supervised By :Jagrut Upadhyay 03/09/2022



#90

Benzo(a)pyrene

Concen: 5.868 ng m

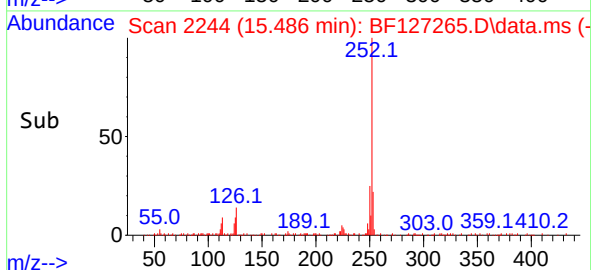
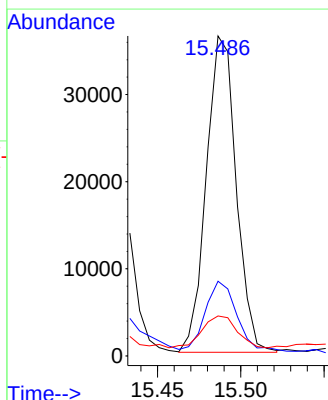
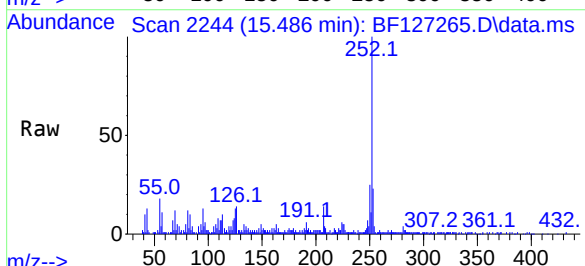
RT: 15.486 min Scan# 2244

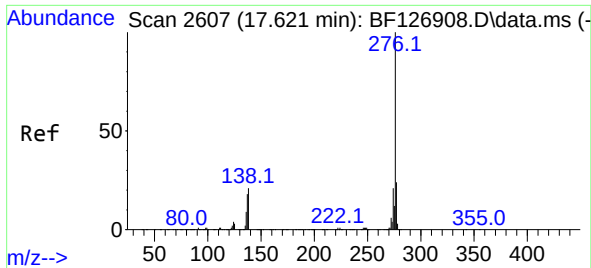
Delta R.T. 0.000 min

Lab File: BF127265.D

Acq: 08 Mar 2022 18:29

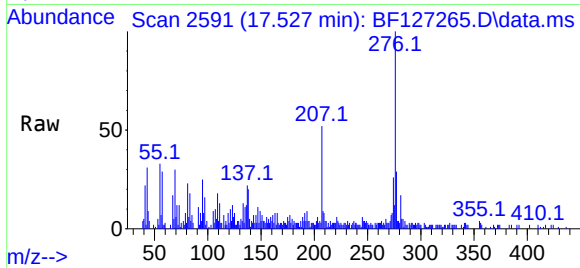
Tgt Ion:252	Resp:	45347
Ion Ratio	Lower	Upper
252	100	
253	23.3	17.1 25.7
125	12.5	13.0 19.6





#92
Benzo(g,h,i)perylene
Concen: 3.009 ng
RT: 17.527 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF127265.D
Acq: 08 Mar 2022 18:29

Instrument :
BNA_F
ClientSampleId :
350



Tgt Ion: 276 Resp: 23694
Ion Ratio Lower Upper
276 100
277 29.0 18.5 27.7
138 20.2 25.9 38.9

Manual Integrations
APPROVED

Reviewed By : Christian Giraldo 03/09/2022
Supervised By : Jagrut Upadhyay 03/09/2022

