

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122221\
 Data File : BF126335.D
 Acq On : 22 Dec 2021 18:21
 Operator : JU/CG
 Sample : M5198-04DL 5X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-20-G2DL

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 12/23/2021
 Supervised By :mohammad ahmed 12/29/2021

Quant Time: Dec 22 19:14:31 2021
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121521.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 22 13:00:11 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.816	152	133971	20.000	ng	0.00
21) Naphthalene-d8	8.098	136	511051	20.000	ng	# 0.00
39) Acenaphthene-d10	9.851	164	217824	20.000	ng	0.00
64) Phenanthrene-d10	11.339	188	333044	20.000	ng	# 0.00
76) Chrysene-d12	13.974	240	251037	20.000	ng	0.00
86) Perylene-d12	15.421	264	292162	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.422	112	207405	22.799	ng	0.00
7) Phenol-d6	6.434	99	238111	20.613	ng	-0.01
23) Nitrobenzene-d5	7.375	82	138330	14.660	ng	0.00
42) 2,4,6-Tribromophenol	10.639	330	35346	20.192	ng	0.00
45) 2-Fluorobiphenyl	9.175	172	217199	17.488	ng	0.00
79) Terphenyl-d14	12.921	244	189958	13.152	ng	0.00
Target Compounds						Qvalue
52) Acenaphthene	9.886	154	35566	2.962	ng	95
58) Fluorene	10.398	166	26697	2.256	ng	# 97
71) Phenanthrene	11.363	178	686930	39.962	ng	99
72) Anthracene	11.410	178	99159	5.747	ng	99
75) Fluoranthene	12.545	202	324769	20.970	ng	90
78) Pyrene	12.774	202	505047	21.898	ng	97
81) Benzo(a)anthracene	13.962	228	178590	12.010	ng	99
83) Chrysene	13.998	228	168631	10.915	ng	99
88) Benzo(b)fluoranthene	15.004	252	137255m	7.819	ng	
89) Benzo(k)fluoranthene	15.027	252	42482m	2.530	ng	
90) Benzo(a)pyrene	15.357	252	110387	7.566	ng	# 94
92) Benzo(g,h,i)perylene	17.280	276	51990	3.172	ng	# 89

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

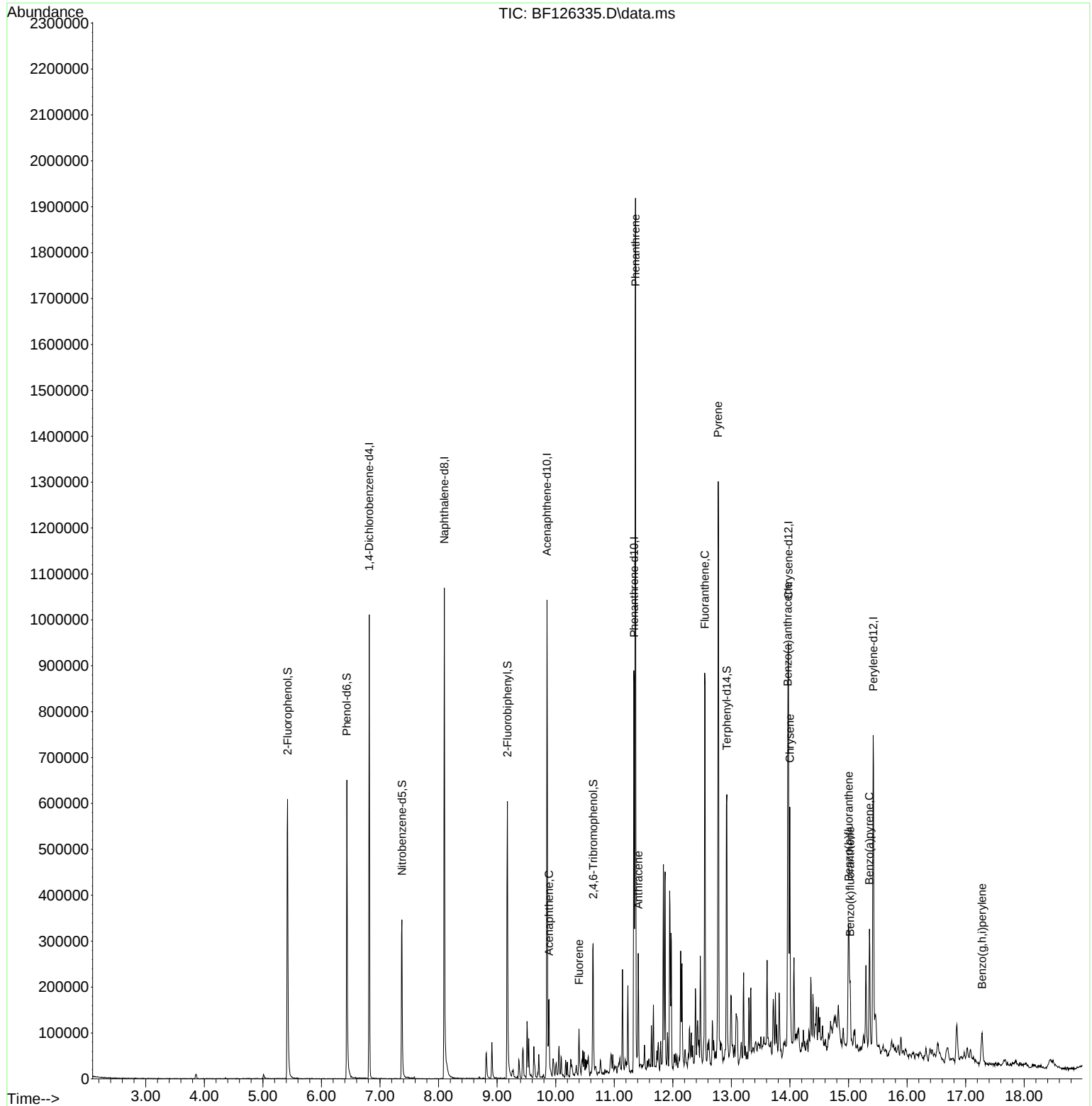
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122221\
Data File : BF126335.D
Acq On : 22 Dec 2021 18:21
Operator : JU/CG
Sample : M5198-04DL 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

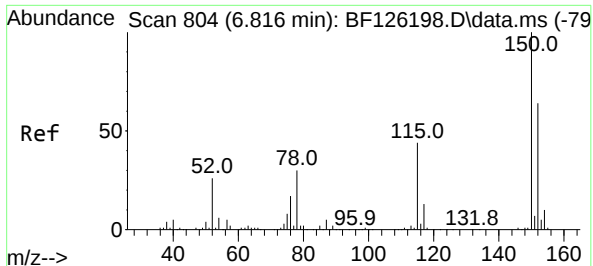
Instrument :
BNA_F
ClientSampleId :
SB-20-G2DL

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 12/23/2021
Supervised By :mohammad ahmed 12/29/2021

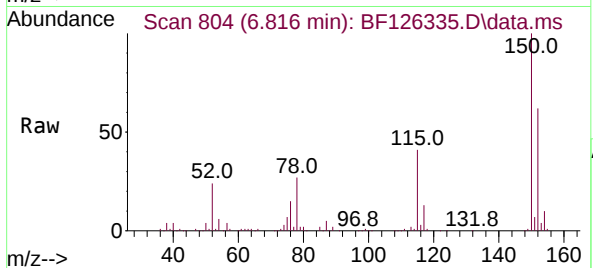
Quant Time: Dec 22 19:14:31 2021
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121521.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 22 13:00:11 2021
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.816 min Scan# 804
Delta R.T. -0.000 min
Lab File: BF126335.D
Acq: 22 Dec 2021 18:21

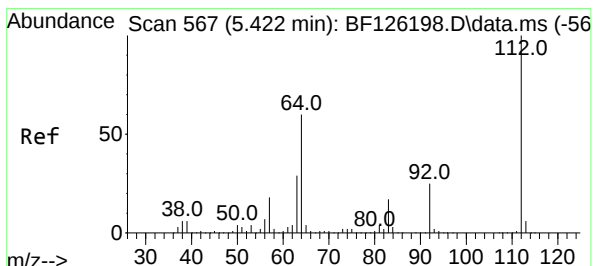
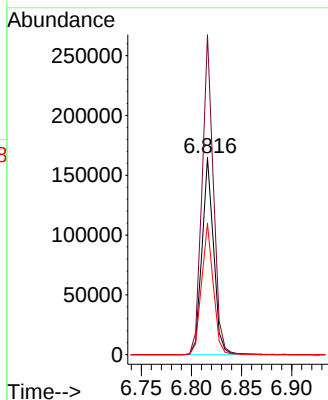
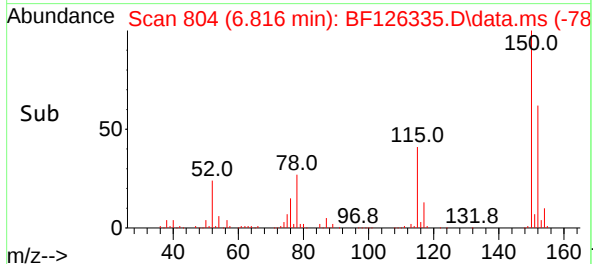
Instrument :
BNA_F
ClientSampleId :
SB-20-G2DL



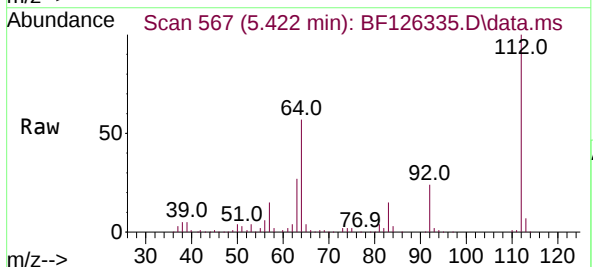
Tgt Ion:152 Resp: 133972
Ion Ratio Lower Upper
152 100
150 162.3 117.6 176.4
115 66.6 47.1 70.7

Manual Integrations
APPROVED

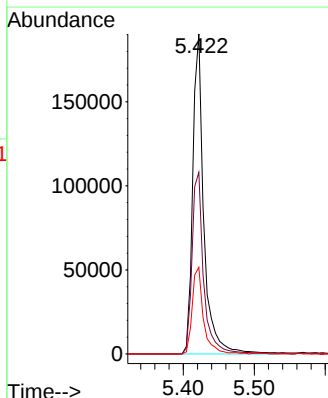
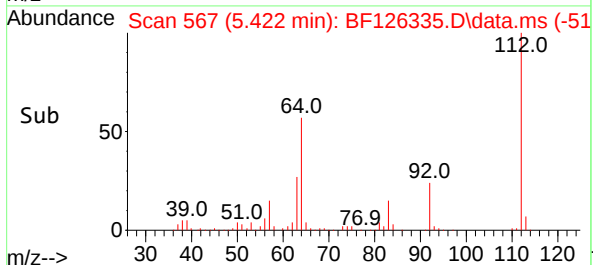
Reviewed By :Jagrut Upadhyay 12/23/2021
Supervised By :mohammad ahmed 12/29/2021

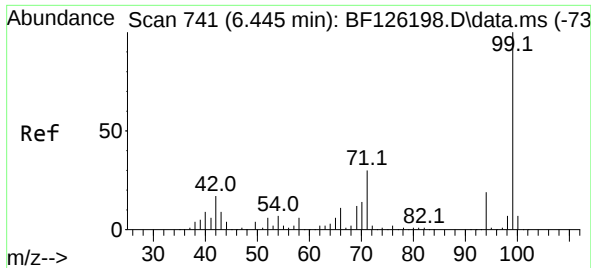


#5
2-Fluorophenol
Concen: 22.799 ng
RT: 5.422 min Scan# 567
Delta R.T. -0.006 min
Lab File: BF126335.D
Acq: 22 Dec 2021 18:21



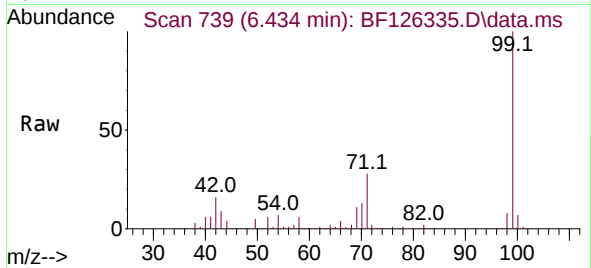
Tgt Ion:112 Resp: 207405
Ion Ratio Lower Upper
112 100
64 56.7 44.2 66.2
63 27.1 26.2 39.2





#7
Phenol-d6
Concen: 20.613 ng
RT: 6.434 min Scan# 741
Delta R.T. -0.012 min
Lab File: BF126335.D
Acq: 22 Dec 2021 18:21

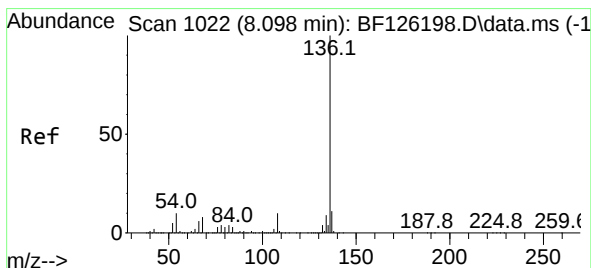
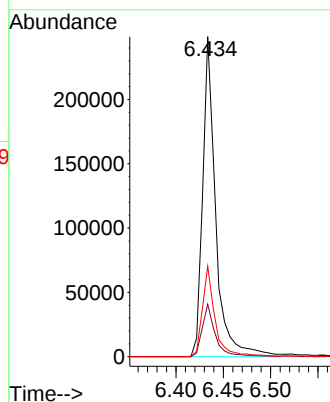
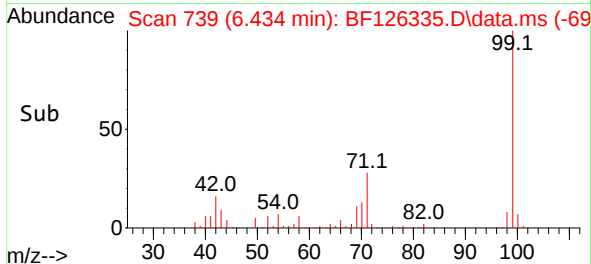
Instrument :
BNA_F
ClientSampleId :
SB-20-G2DL



Tgt Ion: 99 Resp: 23811
Ion Ratio Lower Upper
99 100
42 16.4 23.5 35.3
71 28.3 25.6 38.4

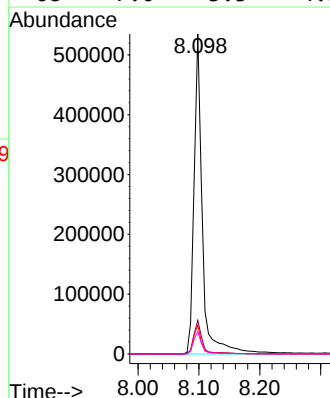
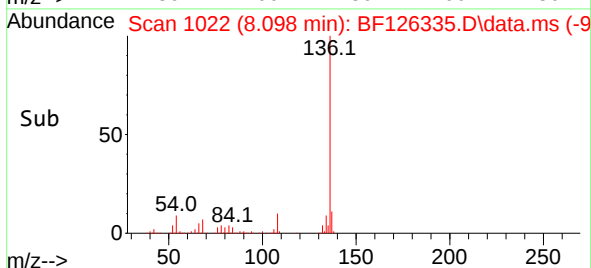
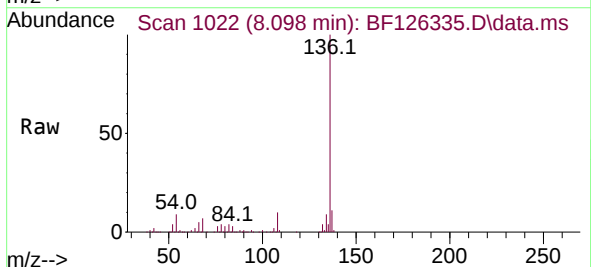
Manual Integrations
APPROVED

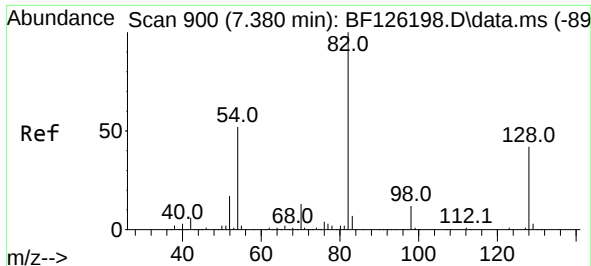
Reviewed By :Jagrut Upadhyay 12/23/2021
Supervised By :mohammad ahmed 12/29/2021



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.098 min Scan# 1022
Delta R.T. -0.006 min
Lab File: BF126335.D
Acq: 22 Dec 2021 18:21

Tgt Ion:136 Resp: 511051
Ion Ratio Lower Upper
136 100
137 10.5 9.8 14.6
54 8.9 6.4 9.6
68 7.0 3.3 4.9





#23

Nitrobenzene-d5

Concen: 14.660 ng

RT: 7.375 min Scan# 899

Delta R.T. -0.006 min

Lab File: BF126335.D

Acq: 22 Dec 2021 18:21

Instrument :

BNA_F

ClientSampleId :

SB-20-G2DL

Tgt Ion: 82 Resp: 138330

Ion Ratio Lower Upper

82 100

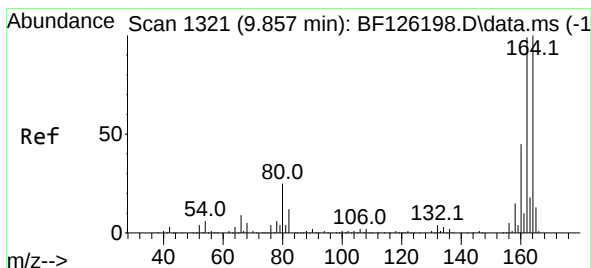
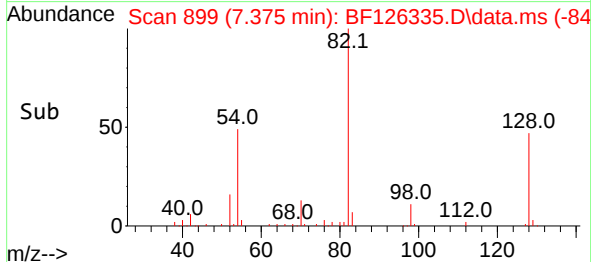
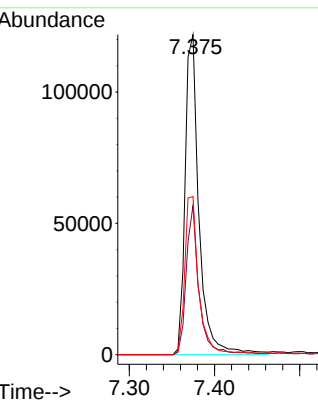
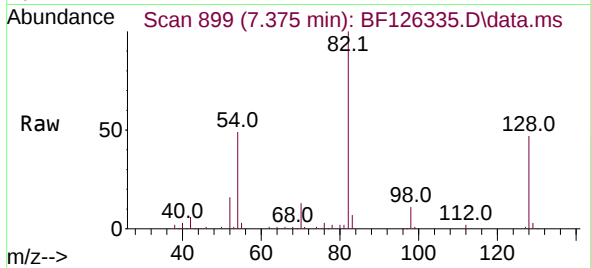
128 46.6 40.6 60.8

54 49.4 49.6 74.4

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 12/23/2021
Supervised By :mohammad ahmed 12/29/2021



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.851 min Scan# 1320

Delta R.T. -0.006 min

Lab File: BF126335.D

Acq: 22 Dec 2021 18:21

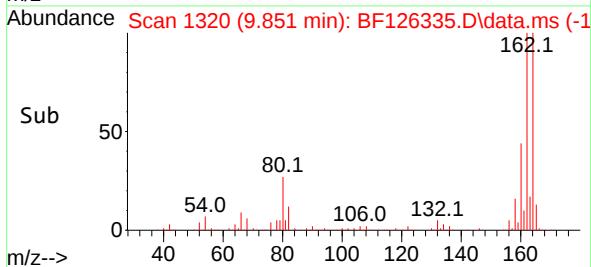
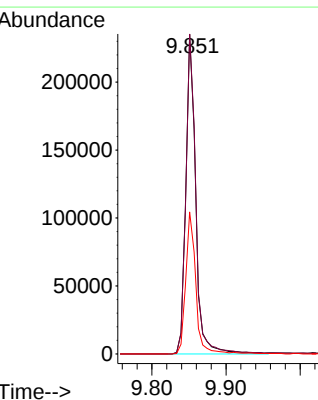
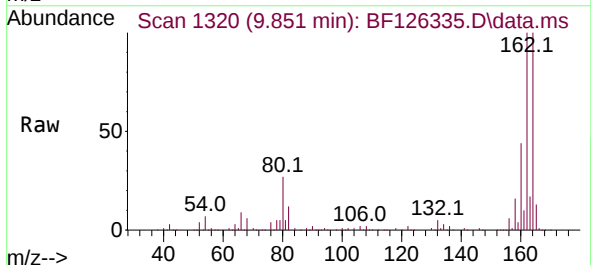
Tgt Ion:164 Resp: 217824

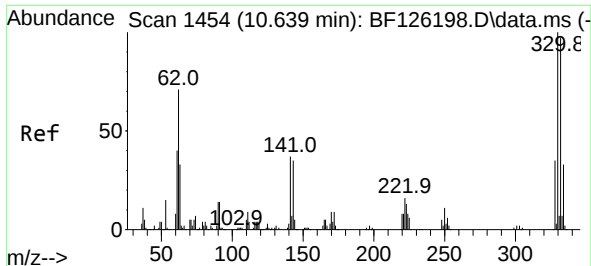
Ion Ratio Lower Upper

164 100

162 100.1 81.3 121.9

160 44.4 38.0 57.0





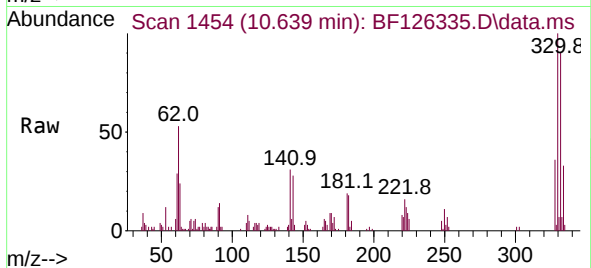
#42
2,4,6-Tribromophenol
Concen: 20.192 ng
RT: 10.639 min Scan# 1454
Delta R.T. -0.006 min
Lab File: BF126335.D
Acq: 22 Dec 2021 18:21

Instrument :

BNA_F

ClientSampleId :

SB-20-G2DL

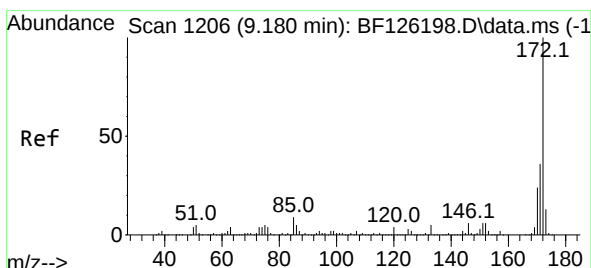
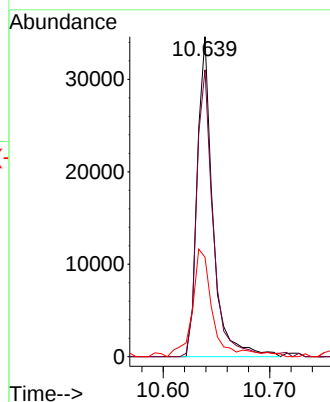
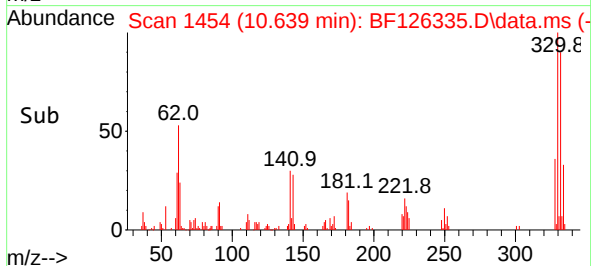


Tgt Ion: 330 Resp: 35340
Ion Ratio Lower Upper
330 100
332 95.4 76.2 114.4
141 44.7 44.6 66.8

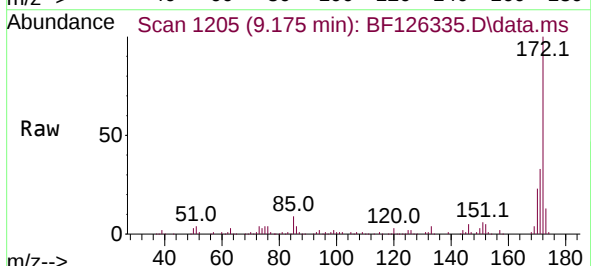
Manual Integrations

APPROVED

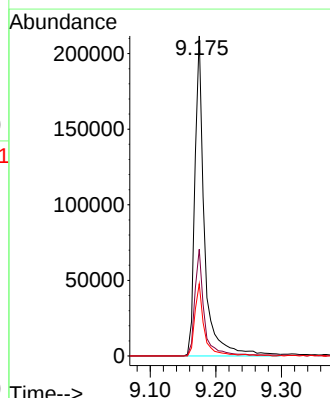
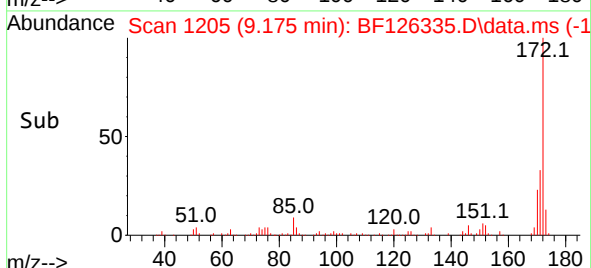
Reviewed By : Jagrut Upadhyay 12/23/2021
Supervised By : mohammad ahmed 12/29/2021

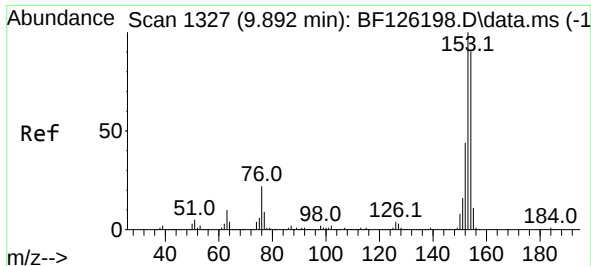


#45
2-Fluorobiphenyl
Concen: 17.488 ng
RT: 9.175 min Scan# 1205
Delta R.T. -0.006 min
Lab File: BF126335.D
Acq: 22 Dec 2021 18:21



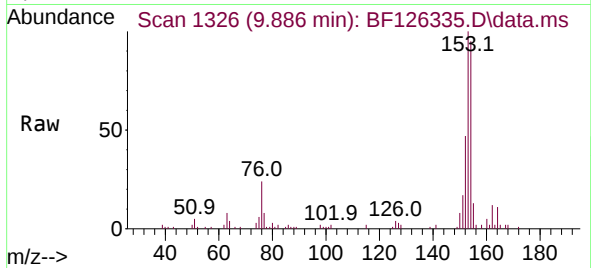
Tgt Ion: 172 Resp: 217199
Ion Ratio Lower Upper
172 100
171 33.3 26.5 39.7
170 22.6 18.8 28.2





#52
Acenaphthene
Concen: 2.962 ng
RT: 9.886 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF126335.D
Acq: 22 Dec 2021 18:21

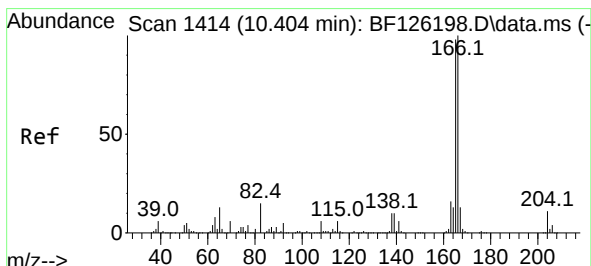
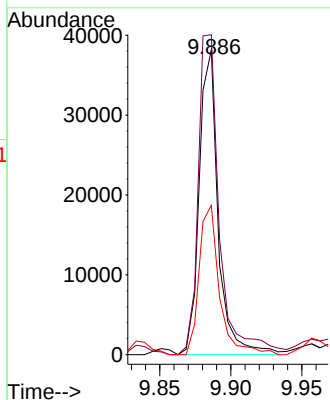
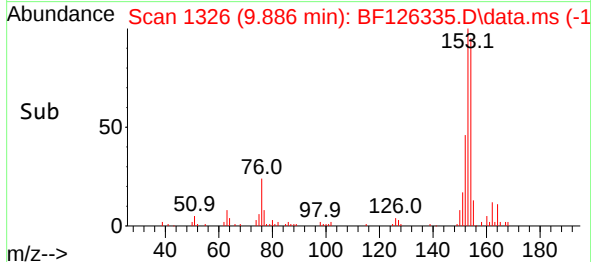
Instrument :
BNA_F
ClientSampleId :
SB-20-G2DL



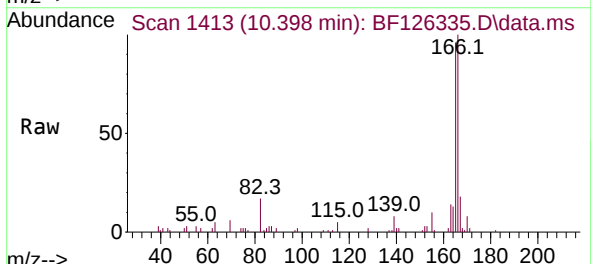
Tgt Ion:154 Resp: 3556
Ion Ratio Lower Upper
154 100
153 105.0 89.4 134.2
152 49.0 40.5 60.7

Manual Integrations
APPROVED

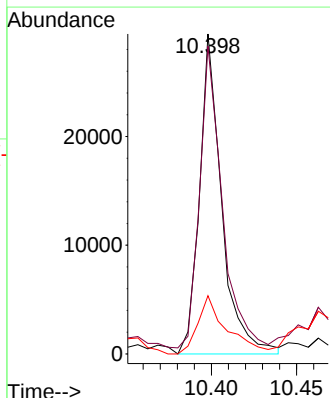
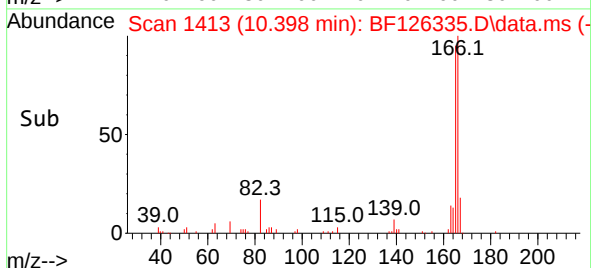
Reviewed By :Jagrut Upadhyay 12/23/2021
Supervised By :mohammad ahmed 12/29/2021

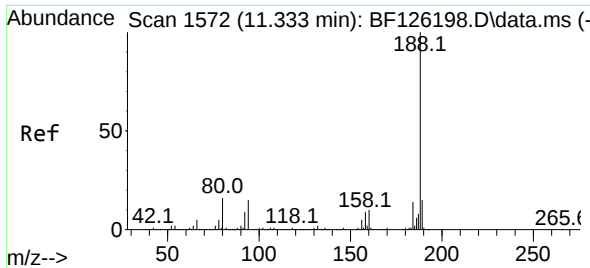


#58
Fluorene
Concen: 2.256 ng
RT: 10.398 min Scan# 1413
Delta R.T. -0.006 min
Lab File: BF126335.D
Acq: 22 Dec 2021 18:21



Tgt Ion:166 Resp: 26697
Ion Ratio Lower Upper
166 100
165 96.2 78.1 117.1
167 18.2 11.1 16.7#





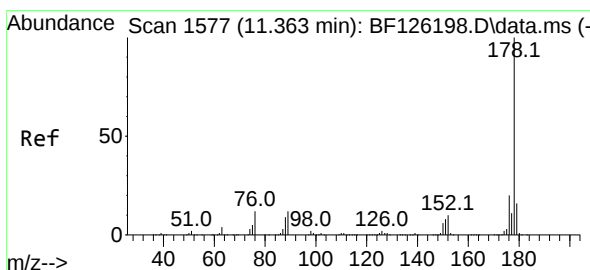
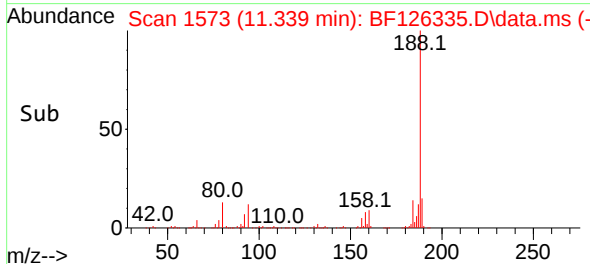
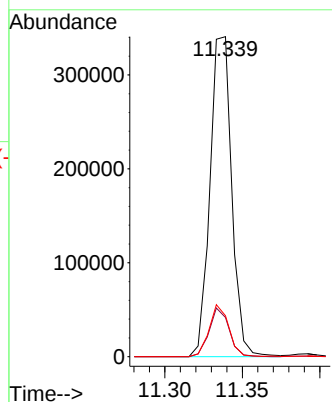
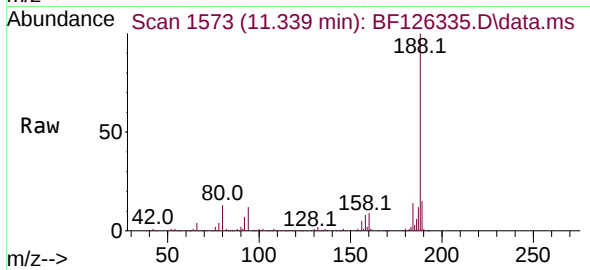
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.339 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF126335.D
Acq: 22 Dec 2021 18:21

Instrument :
BNA_F
ClientSampleId :
SB-20-G2DL

Tgt Ion:188 Resp: 333044
Ion Ratio Lower Upper
188 100
94 12.3 6.7 10.1
80 12.8 7.5 11.3

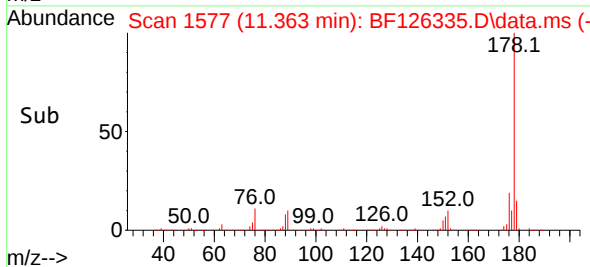
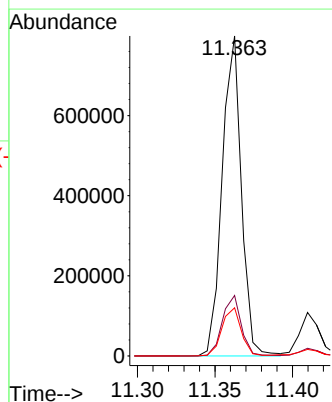
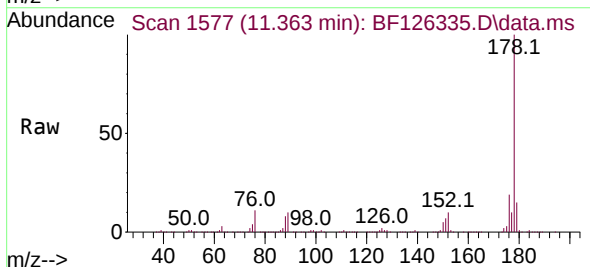
Manual Integrations
APPROVED

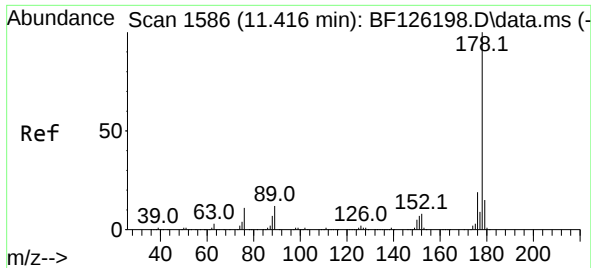
Reviewed By :Jagrut Upadhyay 12/23/2021
Supervised By :mohammad ahmed 12/29/2021



#71
Phenanthrene
Concen: 39.962 ng
RT: 11.363 min Scan# 1577
Delta R.T. -0.000 min
Lab File: BF126335.D
Acq: 22 Dec 2021 18:21

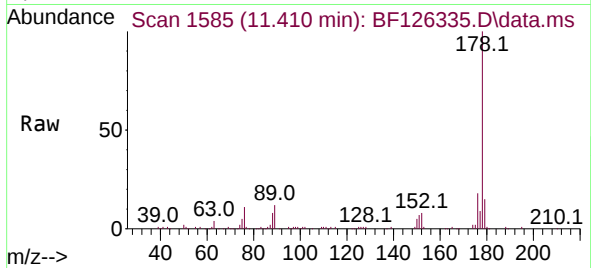
Tgt Ion:178 Resp: 686930
Ion Ratio Lower Upper
178 100
176 18.9 14.7 22.1
179 15.0 11.5 17.3





#72
 Anthracene
 Concen: 5.747 ng
 RT: 11.410 min Scan# 1586
 Delta R.T. -0.006 min
 Lab File: BF126335.D
 Acq: 22 Dec 2021 18:21

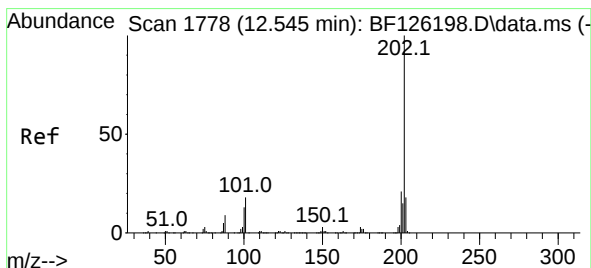
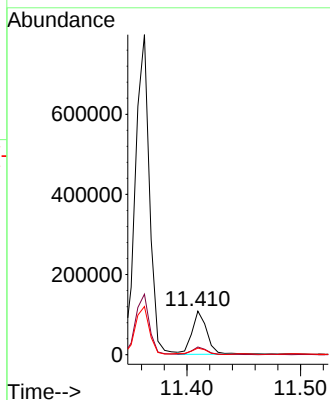
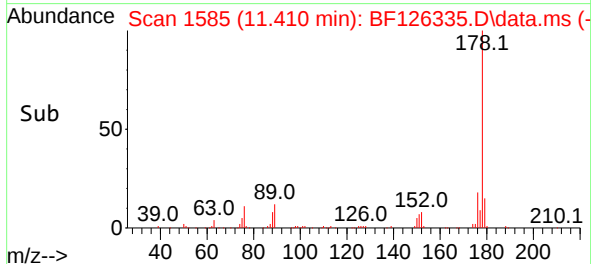
Instrument :
 BNA_F
 ClientSampleId :
 SB-20-G2DL



Tgt Ion:178 Resp: 99159
 Ion Ratio Lower Upper
 178 100
 176 17.5 14.3 21.5
 179 15.1 12.2 18.4

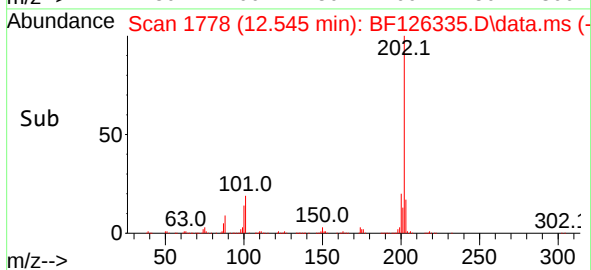
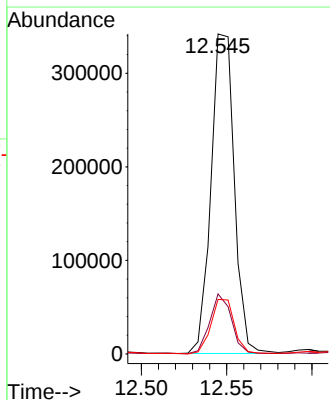
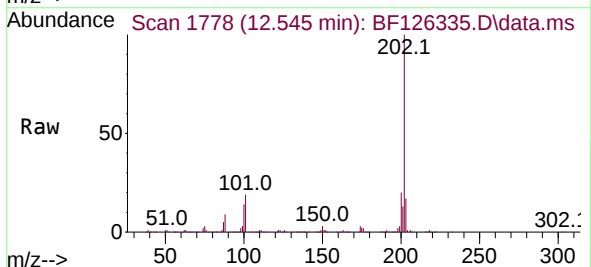
Manual Integrations
 APPROVED

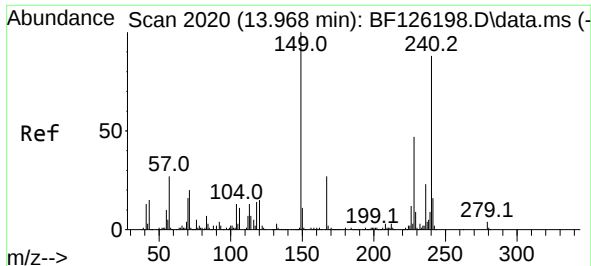
Reviewed By :Jagrut Upadhyay 12/23/2021
 Supervised By :mohammad ahmed 12/29/2021



#75
 Fluoranthene
 Concen: 20.970 ng
 RT: 12.545 min Scan# 1778
 Delta R.T. -0.006 min
 Lab File: BF126335.D
 Acq: 22 Dec 2021 18:21

Tgt Ion:202 Resp: 324769
 Ion Ratio Lower Upper
 202 100
 101 18.8 0.0 30.7
 203 17.0 0.0 36.3





#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.974 min Scan# 2021
Delta R.T. -0.006 min
Lab File: BF126335.D
Acq: 22 Dec 2021 18:21

Instrument :

BNA_F

ClientSampleId :

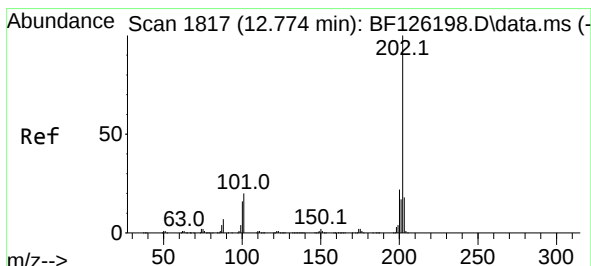
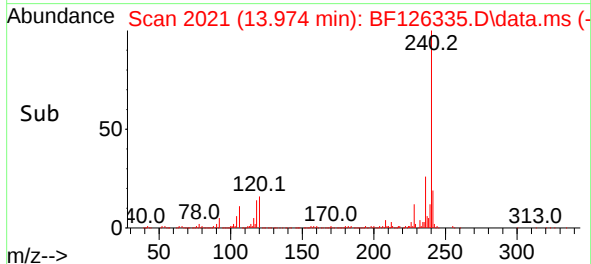
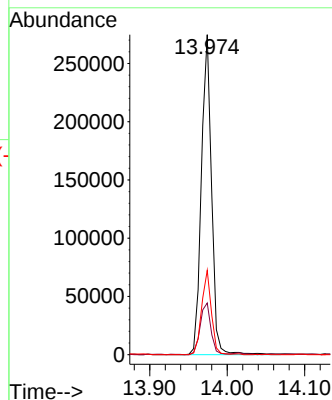
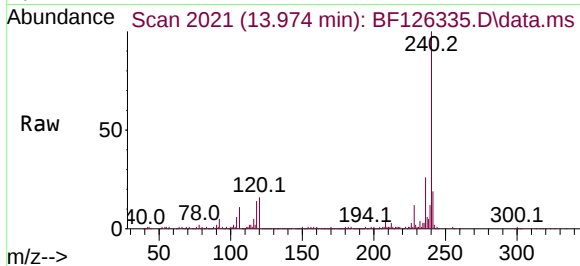
SB-20-G2DL

Tgt Ion:240 Resp: 25103
Ion Ratio Lower Upper
240 100
120 16.2 10.8 16.2
236 26.4 21.6 32.4

Manual Integrations

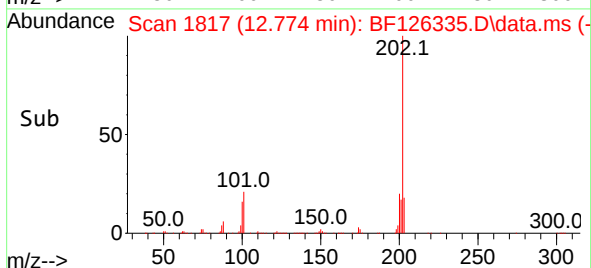
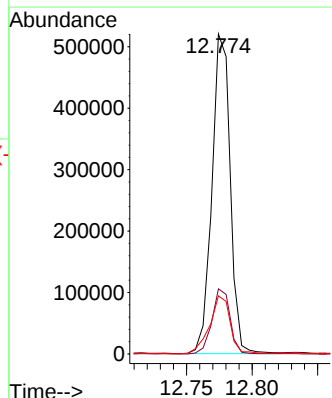
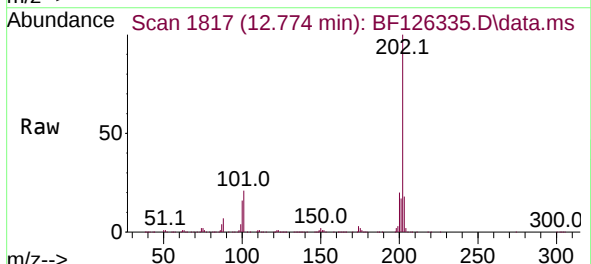
APPROVED

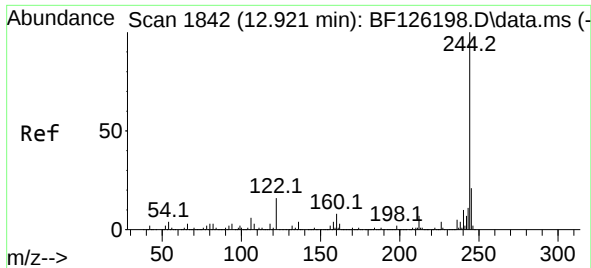
Reviewed By :Jagrut Upadhyay 12/23/2021
Supervised By :mohammad ahmed 12/29/2021



#78
Pyrene
Concen: 21.898 ng
RT: 12.774 min Scan# 1817
Delta R.T. -0.006 min
Lab File: BF126335.D
Acq: 22 Dec 2021 18:21

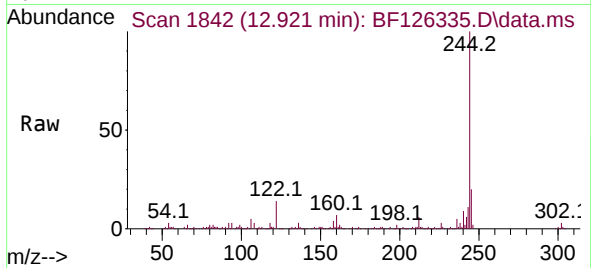
Tgt Ion:202 Resp: 505047
Ion Ratio Lower Upper
202 100
200 20.4 15.3 22.9
203 18.1 13.4 20.0





#79
 Terphenyl-d14
 Concen: 13.152 ng
 RT: 12.921 min Scan# 1842
 Delta R.T. -0.006 min
 Lab File: BF126335.D
 Acq: 22 Dec 2021 18:21

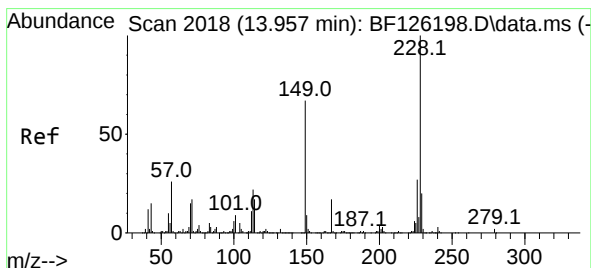
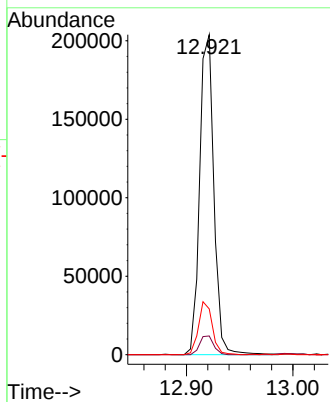
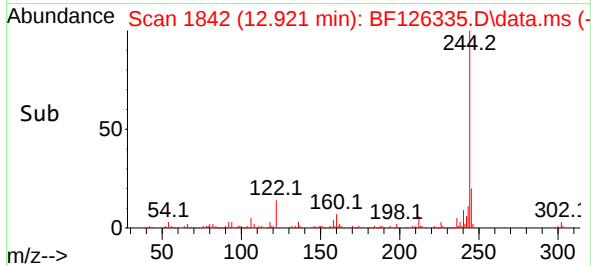
Instrument :
 BNA_F
 ClientSampleId :
 SB-20-G2DL



Tgt Ion:244 Resp: 189958
 Ion Ratio Lower Upper
 244 100
 212 5.9 5.9 8.9
 122 14.3 9.0 13.4

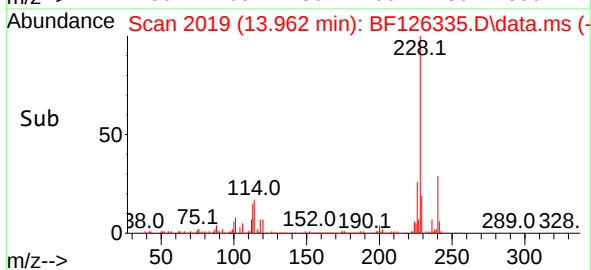
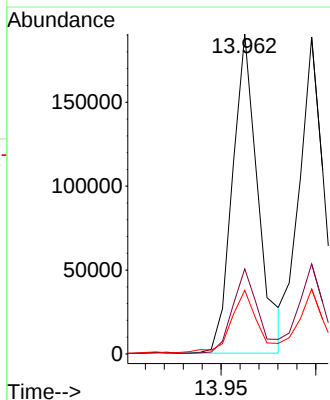
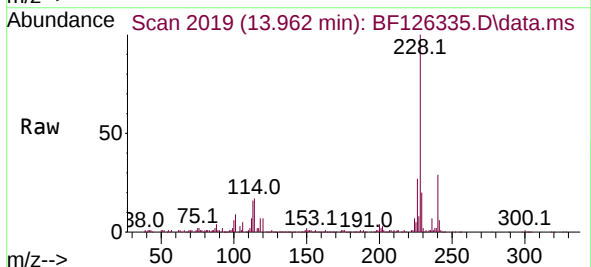
Manual Integrations
 APPROVED

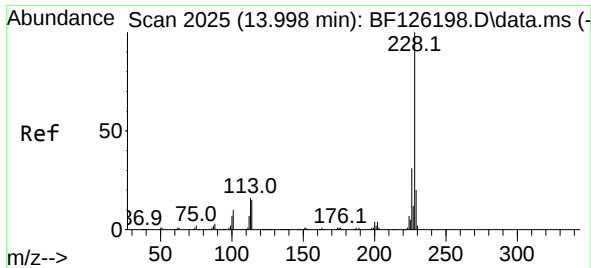
Reviewed By :Jagrut Upadhyay 12/23/2021
 Supervised By :mohammad ahmed 12/29/2021



#81
 Benzo(a)anthracene
 Concen: 12.010 ng
 RT: 13.962 min Scan# 2019
 Delta R.T. -0.006 min
 Lab File: BF126335.D
 Acq: 22 Dec 2021 18:21

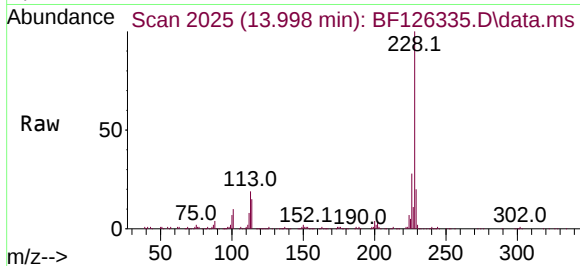
Tgt Ion:228 Resp: 178590
 Ion Ratio Lower Upper
 228 100
 226 26.6 21.6 32.4
 229 19.9 15.6 23.4





#83
Chrysene
Concen: 10.915 ng
RT: 13.998 min Scan# 2025
Delta R.T. -0.006 min
Lab File: BF126335.D
Acq: 22 Dec 2021 18:21

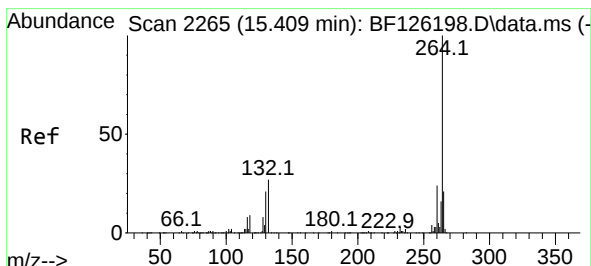
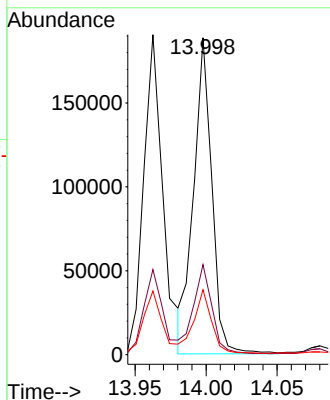
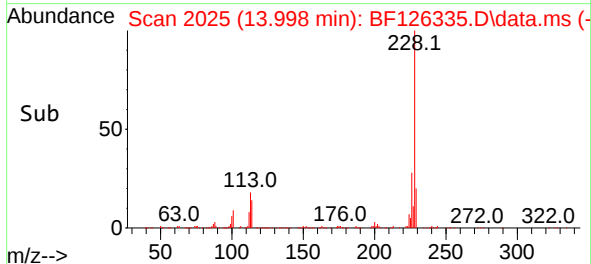
Instrument :
BNA_F
ClientSampleId :
SB-20-G2DL



Tgt Ion:228 Resp: 16863
Ion Ratio Lower Upper
228 100
226 28.4 22.6 34.0
229 20.5 15.9 23.9

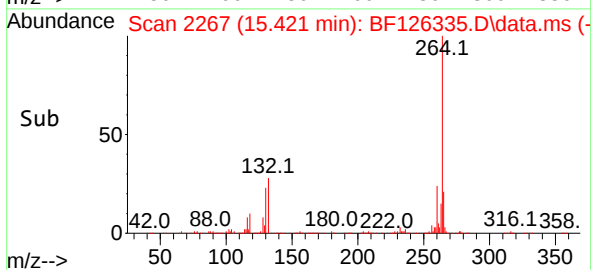
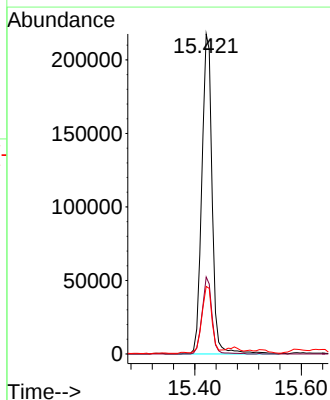
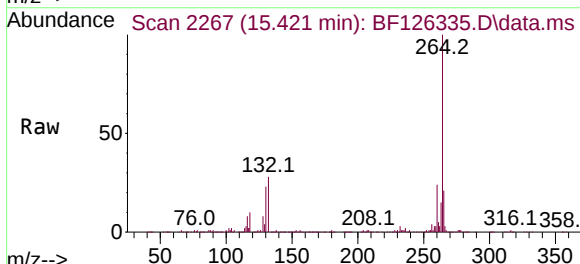
Manual Integrations
APPROVED

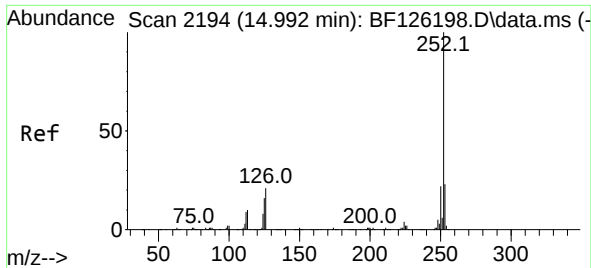
Reviewed By :Jagrut Upadhyay 12/23/2021
Supervised By :mohammad ahmed 12/29/2021



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.421 min Scan# 2267
Delta R.T. -0.006 min
Lab File: BF126335.D
Acq: 22 Dec 2021 18:21

Tgt Ion:264 Resp: 292162
Ion Ratio Lower Upper
264 100
260 24.1 19.6 29.4
265 21.1 17.2 25.8





#88
Benzo(b)fluoranthene
Concen: 7.819 ng m
RT: 15.004 min Scan# 2194
Delta R.T. -0.000 min
Lab File: BF126335.D
Acq: 22 Dec 2021 18:21

Instrument :

BNA_F

ClientSampleId :

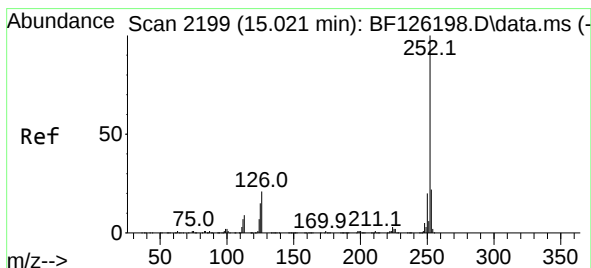
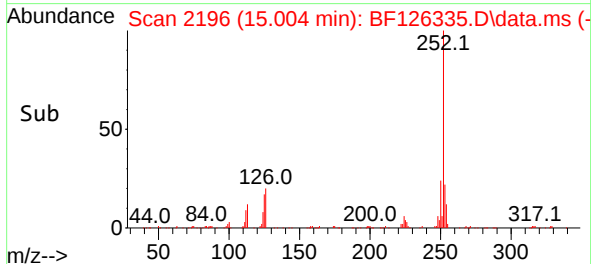
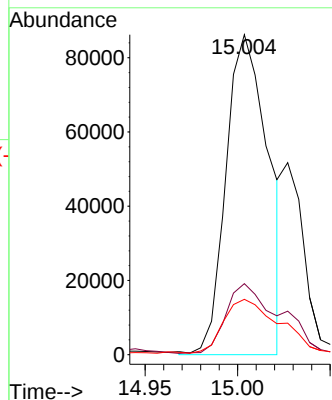
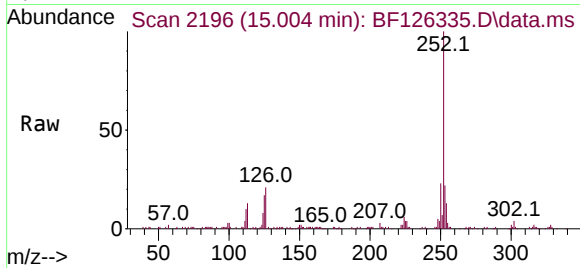
SB-20-G2DL

Tgt Ion:252 Resp: 13725
Ion Ratio Lower Upper
252 100
253 22.2 16.8 25.2
125 17.3 9.8 14.8

Manual Integrations

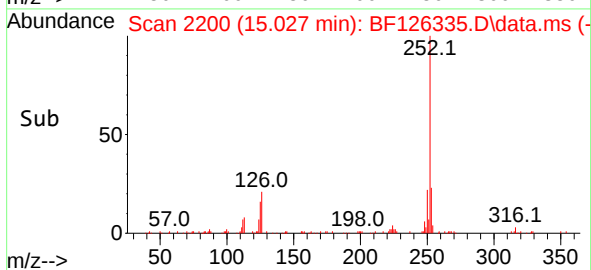
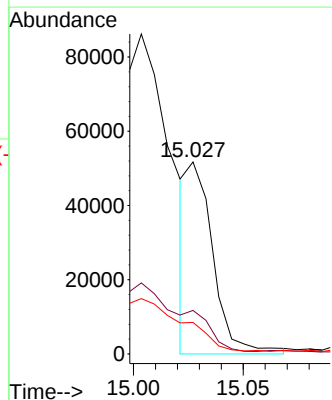
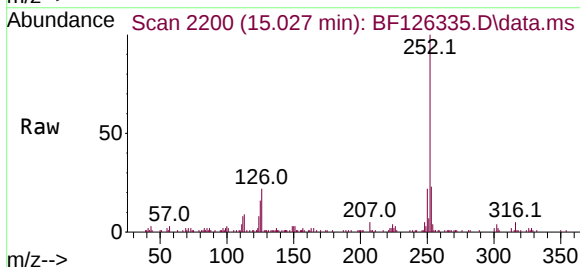
APPROVED

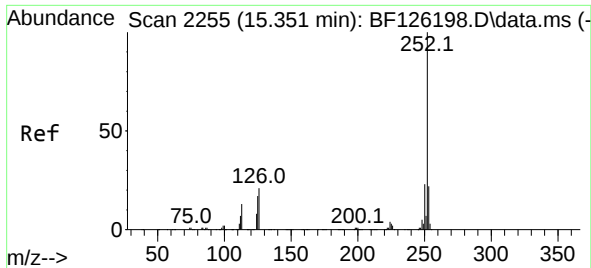
Reviewed By :Jagrut Upadhyay 12/23/2021
Supervised By :mohammad ahmed 12/29/2021



#89
Benzo(k)fluoranthene
Concen: 2.530 ng m
RT: 15.027 min Scan# 2200
Delta R.T. -0.006 min
Lab File: BF126335.D
Acq: 22 Dec 2021 18:21

Tgt Ion:252 Resp: 42482
Ion Ratio Lower Upper
252 100
253 22.7 17.8 26.8
125 16.4 7.2 10.8





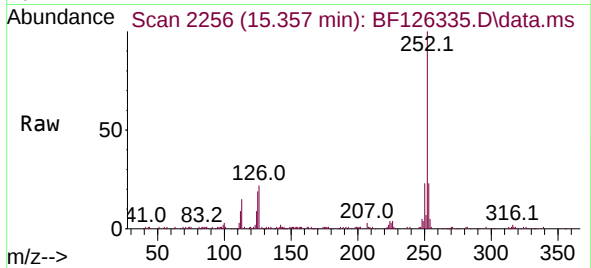
#90
Benzo(a)pyrene
Concen: 7.566 ng
RT: 15.357 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF126335.D
Acq: 22 Dec 2021 18:21

Instrument :

BNA_F

ClientSampleId :

SB-20-G2DL

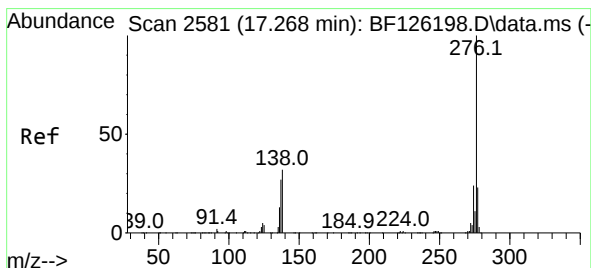
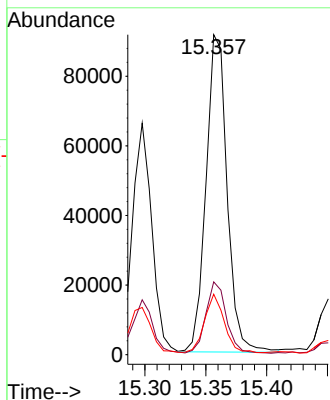
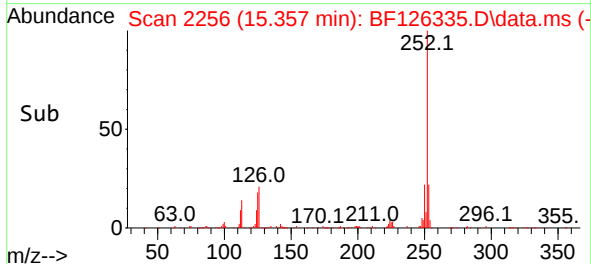


Tgt Ion:252 Resp: 11038
Ion Ratio Lower Upper
252 100
253 22.7 18.4 27.6
125 18.9 9.9 14.9

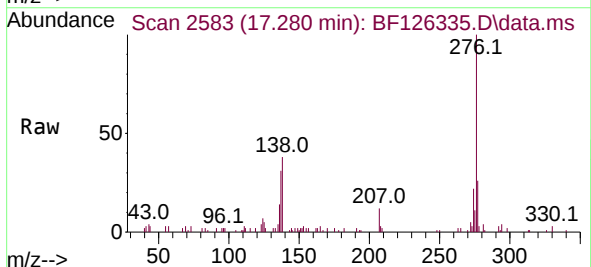
Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 12/23/2021
Supervised By :mohammad ahmed 12/29/2021



#92
Benzo(g,h,i)perylene
Concen: 3.172 ng
RT: 17.280 min Scan# 2583
Delta R.T. -0.018 min
Lab File: BF126335.D
Acq: 22 Dec 2021 18:21



Tgt Ion:276 Resp: 51990
Ion Ratio Lower Upper
276 100
277 25.5 22.0 33.0
138 37.8 22.2 33.4

