

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122221\
 Data File : BF126333.D
 Acq On : 22 Dec 2021 17:18
 Operator : JU/CG
 Sample : M5198-01 5X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-91SB-22-C2

Manual Integrations
 APPROVED

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

Quant Time: Dec 22 17:39:26 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	143518	20.000	ng	0.00
21) Naphthalene-d8	8.098	136	572639	20.000	ng	# 0.00
39) Acenaphthene-d10	9.851	164	252393	20.000	ng	0.00
64) Phenanthrene-d10	11.339	188	359170	20.000	ng	# 0.00
76) Chrysene-d12	13.980	240	226225	20.000	ng	0.00
86) Perylene-d12	15.427	264	287486	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.416	112	135738	13.928	ng	-0.01
7) Phenol-d6	6.434	99	192771	15.578	ng	-0.01
23) Nitrobenzene-d5	7.375	82	118180	11.177	ng	0.00
42) 2,4,6-Tribromophenol	10.639	330	14014	6.909	ng	0.00
45) 2-Fluorobiphenyl	9.175	172	190097	13.210	ng	0.00
79) Terphenyl-d14	12.921	244	136889	10.517	ng	0.00
Target Compounds						Qvalue
37) 2-Methylnaphthalene	8.810	142	117733	7.139	ng	96
38) 1-Methylnaphthalene	8.910	142	101676	6.353	ng	92
52) Acenaphthene	9.886	154	144429	10.380	ng	98
55) Dibenzofuran	10.057	168	40956	2.162	ng	# 90
58) Fluorene	10.398	166	128157	9.345	ng	98
71) Phenanthrene	11.369	178	1786421	96.366	ng	96
72) Anthracene	11.410	178	368190	19.788	ng	99
75) Fluoranthene	12.557	202	944504	56.550	ng	94
78) Pyrene	12.786	202	1421477	68.393	ng	96
81) Benzo(a)anthracene	13.968	228	559206	41.731	ng	98
83) Chrysene	14.004	228	553544	39.758	ng	98
87) Indeno(1,2,3-cd)pyrene	16.856	276	198493	10.351	ng	94
88) Benzo(b)fluoranthene	15.010	252	479031m	27.732	ng	
89) Benzo(k)fluoranthene	15.033	252	131869m	7.980	ng	
90) Benzo(a)pyrene	15.362	252	405574	28.250	ng	# 95
91) Dibenzo(a,h)anthracene	16.868	278	68083	4.368	ng	# 93
92) Benzo(g,h,i)perylene	17.286	276	192717m	11.949	ng	

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

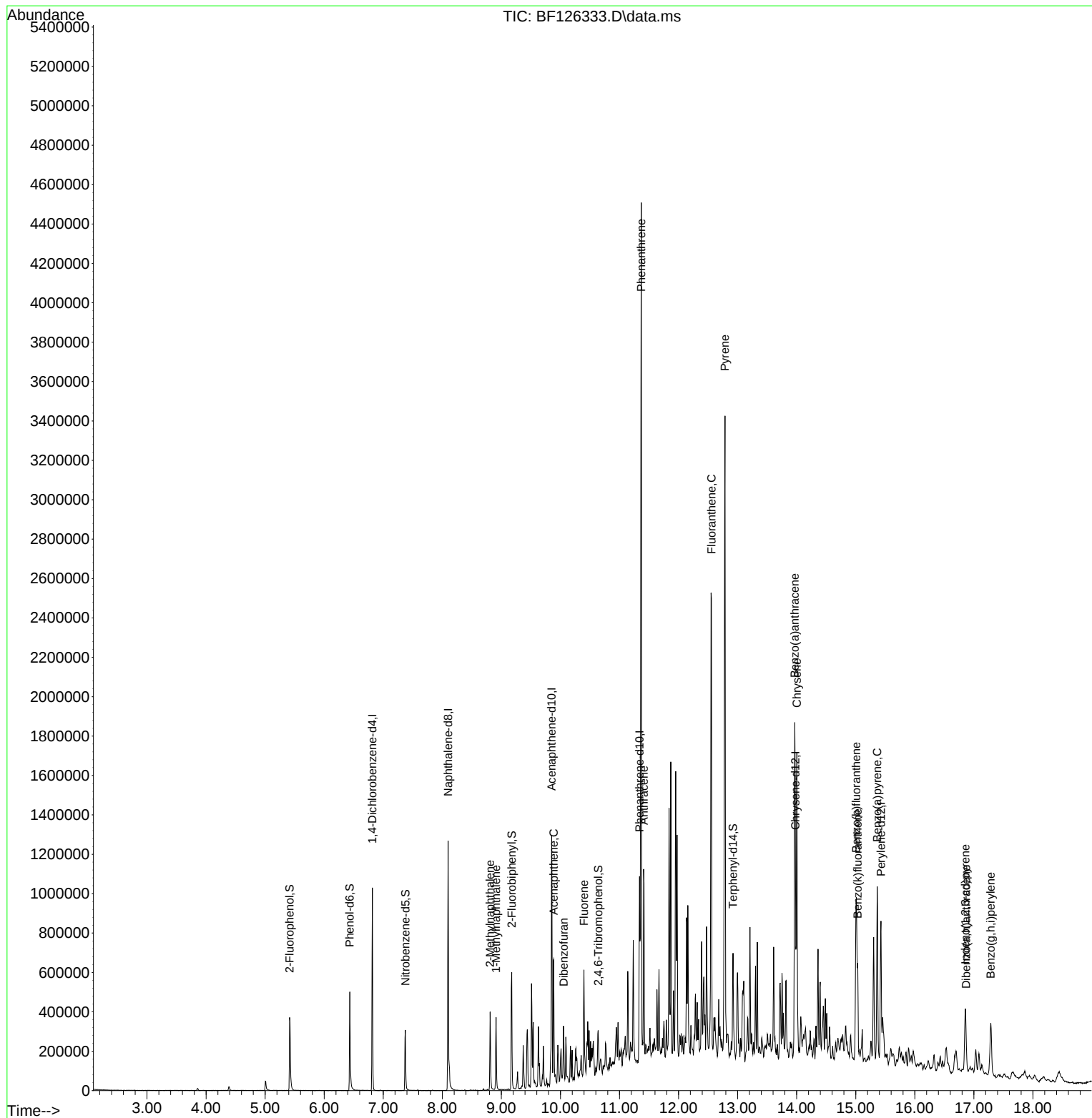
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122221\
Data File : BF126333.D
Acq On : 22 Dec 2021 17:18
Operator : JU/CG
Sample : M5198-01 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

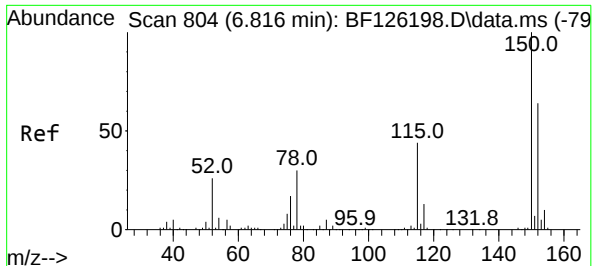
Instrument :
BNA_F
ClientSampleId :
SB-91SB-22-C2

Manual Integrations
APPROVED

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

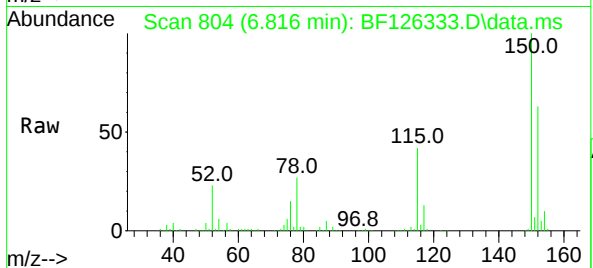
Quant Time: Dec 22 17:39:26 2021
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121521.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 22 13:00:11 2021
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.816 min Scan# 804
Delta R.T. -0.000 min
Lab File: BF126333.D
Acq: 22 Dec 2021 17:18

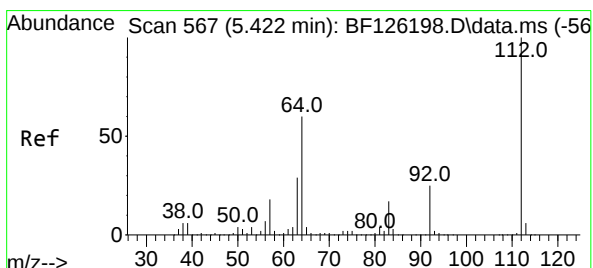
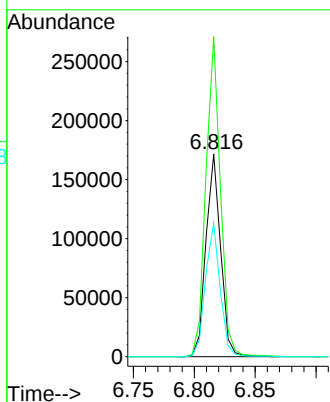
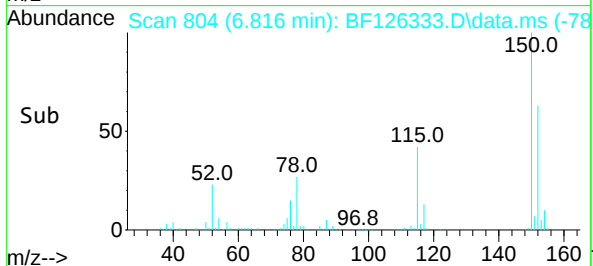
Instrument :
BNA_F
ClientSampleId :
SB-91SB-22-C2



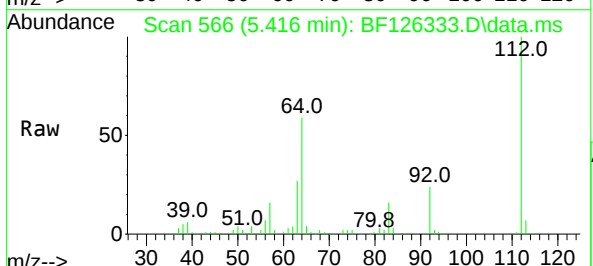
Tgt Ion:152 Resp: 143518
Ion Ratio Lower Upper
152 100
150 157.9 117.6 176.4
115 65.9 47.1 70.7

Manual Integrations
APPROVED

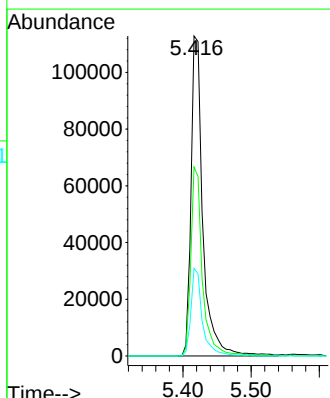
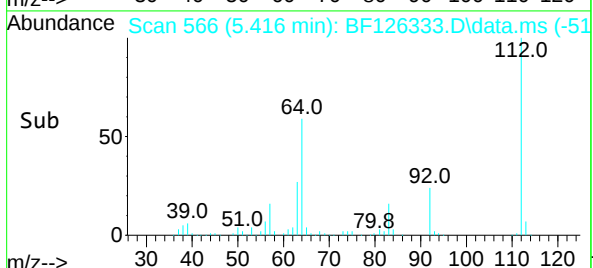
Reviewed By :Jagrut Upadhyay 12/23/2021
Supervised By :mohammad ahmed 12/29/2021

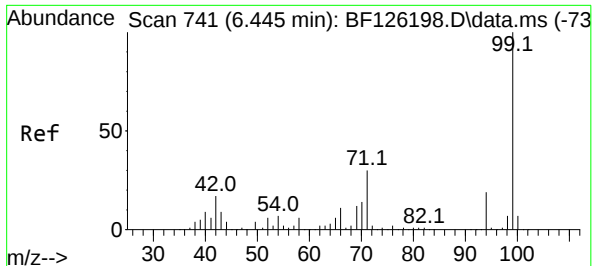


#5
2-Fluorophenol
Concen: 13.928 ng
RT: 5.416 min Scan# 566
Delta R.T. -0.012 min
Lab File: BF126333.D
Acq: 22 Dec 2021 17:18



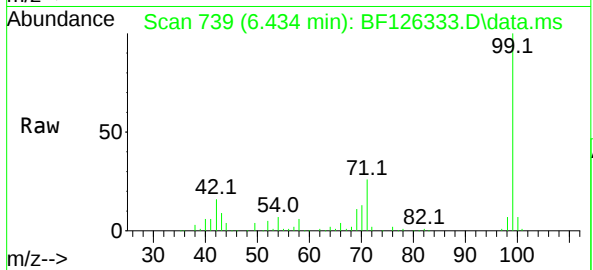
Tgt Ion:112 Resp: 135738
Ion Ratio Lower Upper
112 100
64 59.0 44.2 66.2
63 27.3 26.2 39.2





#7
Phenol-d6
Concen: 15.578 ng
RT: 6.434 min Scan# 741
Delta R.T. -0.012 min
Lab File: BF126333.D
Acq: 22 Dec 2021 17:18

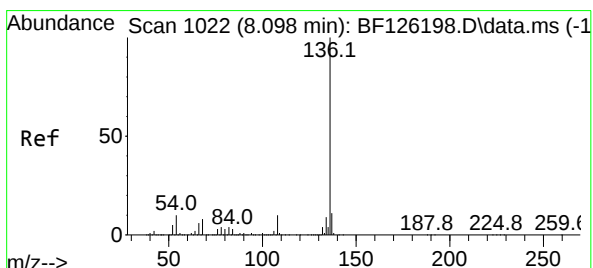
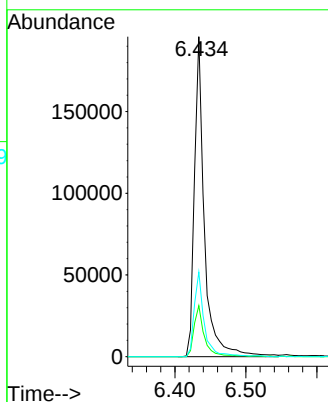
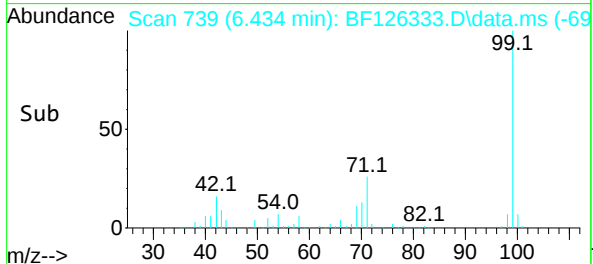
Instrument :
BNA_F
ClientSampleId :
SB-91SB-22-C2



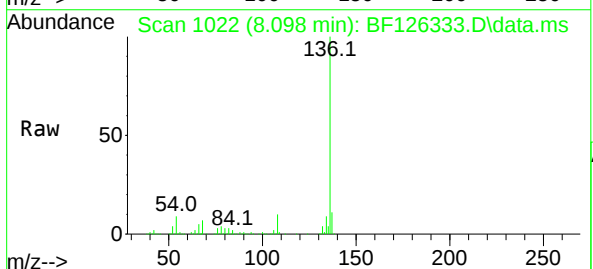
Tgt Ion: 99 Resp: 19277
Ion Ratio Lower Upper
99 100
42 16.0 23.5 35.3
71 26.4 25.6 38.4

Manual Integrations
APPROVED

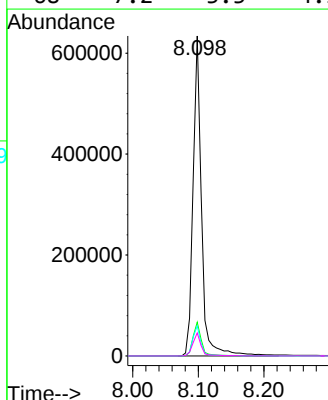
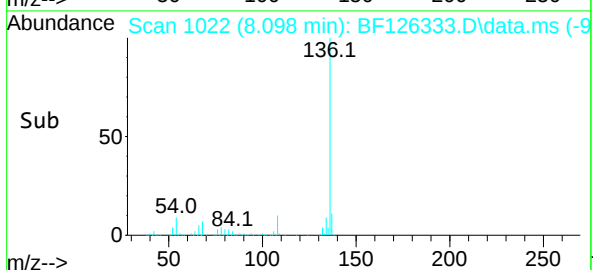
Reviewed By :Jagrut Upadhyay 12/23/2021
Supervised By :mohammad ahmed 12/29/2021

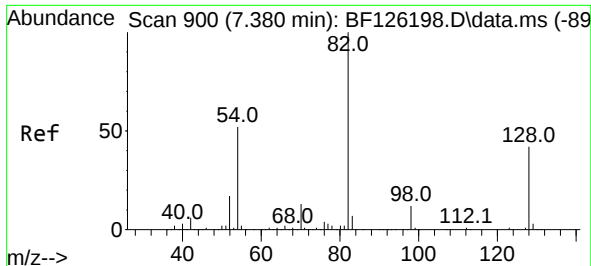


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.098 min Scan# 1022
Delta R.T. -0.006 min
Lab File: BF126333.D
Acq: 22 Dec 2021 17:18



Tgt Ion:136 Resp: 572639
Ion Ratio Lower Upper
136 100
137 10.6 9.8 14.6
54 9.4 6.4 9.6
68 7.2 3.3 4.9





#23

Nitrobenzene-d5

Concen: 11.177 ng

RT: 7.375 min Scan# 89

Delta R.T. -0.006 min

Lab File: BF126333.D

Acq: 22 Dec 2021 17:18

Instrument :

BNA_F

ClientSampleId :

SB-91SB-22-C2

Tgt Ion: 82 Resp: 118180

Ion Ratio Lower Upper

82 100

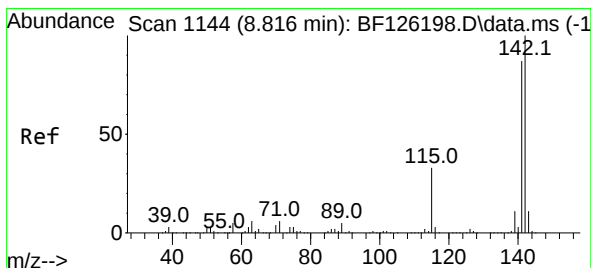
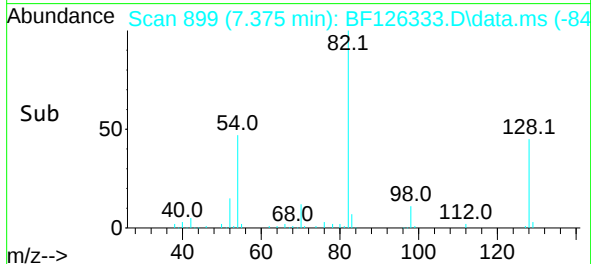
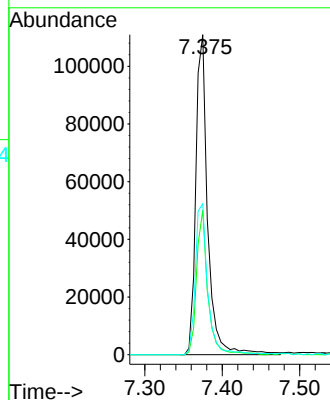
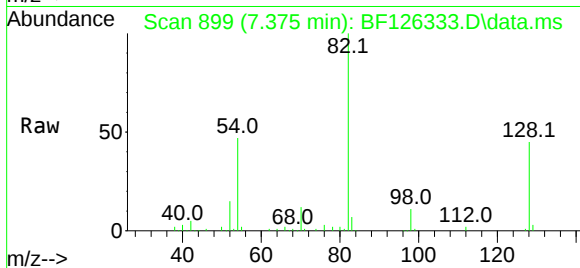
128 45.1 40.6 60.8

54 47.2 49.6 74.4

Manual Integrations

APPROVED

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



#37

2-Methylnaphthalene

Concen: 7.139 ng

RT: 8.810 min Scan# 1143

Delta R.T. -0.006 min

Lab File: BF126333.D

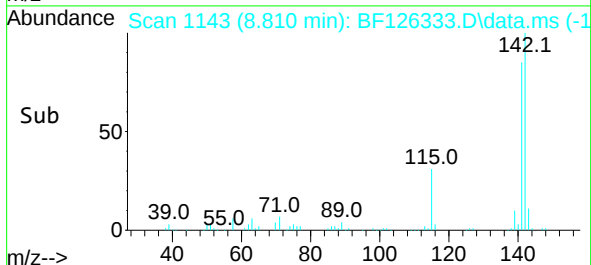
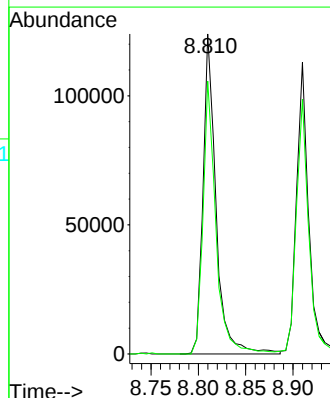
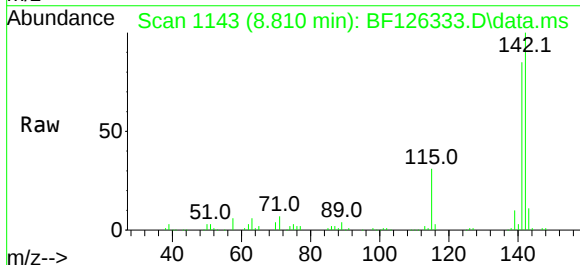
Acq: 22 Dec 2021 17:18

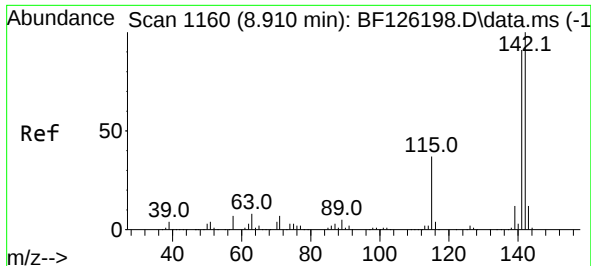
Tgt Ion:142 Resp: 117733

Ion Ratio Lower Upper

142 100

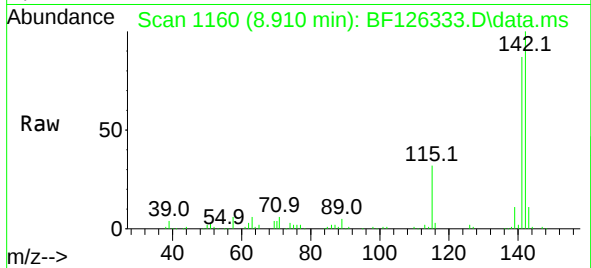
141 85.3 71.2 106.8





#38
1-Methylnaphthalene
Concen: 6.353 ng
RT: 8.910 min Scan# 1160
Delta R.T. -0.006 min
Lab File: BF126333.D
Acq: 22 Dec 2021 17:18

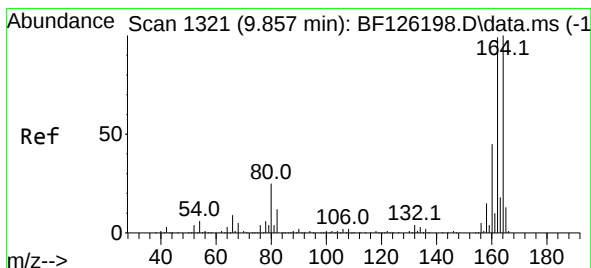
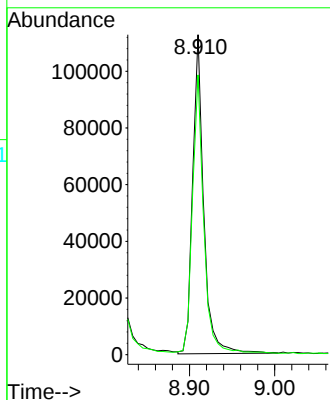
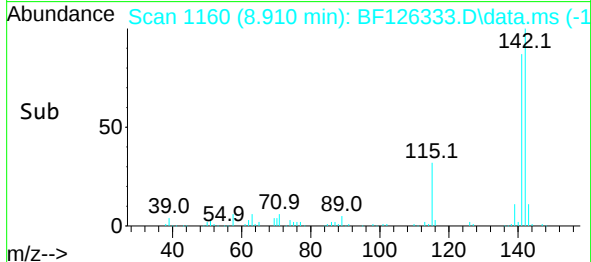
Instrument :
BNA_F
ClientSampleId :
SB-91SB-22-C2



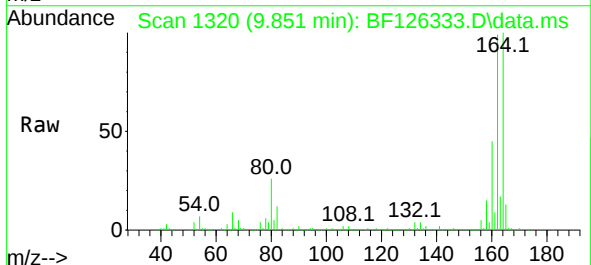
Tgt Ion:142 Resp: 101670
Ion Ratio Lower Upper
142 100
141 87.4 76.0 114.0

Manual Integrations
APPROVED

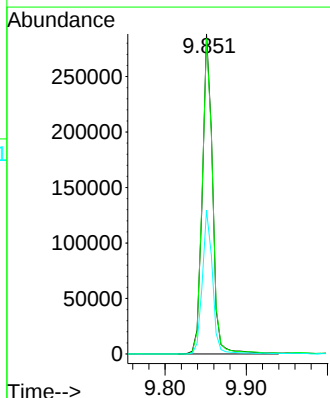
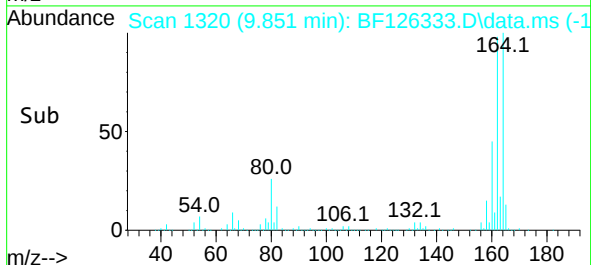
Reviewed By :Jagrut Upadhyay 12/23/2021
Supervised By :mohammad ahmed 12/29/2021

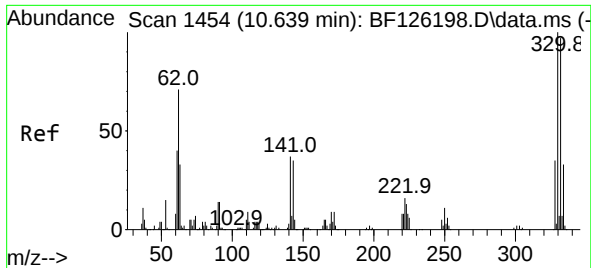


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.851 min Scan# 1320
Delta R.T. -0.006 min
Lab File: BF126333.D
Acq: 22 Dec 2021 17:18



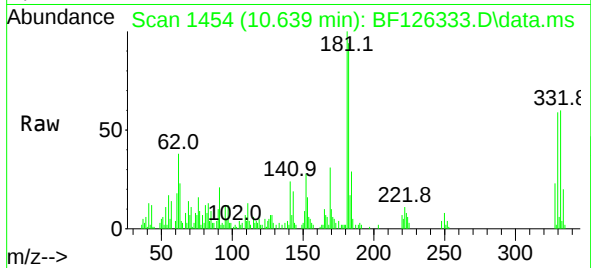
Tgt Ion:164 Resp: 252393
Ion Ratio Lower Upper
164 100
162 98.5 81.3 121.9
160 44.9 38.0 57.0





#42
2,4,6-Tribromophenol
Concen: 6.909 ng
RT: 10.639 min Scan# 1454
Delta R.T. -0.006 min
Lab File: BF126333.D
Acq: 22 Dec 2021 17:18

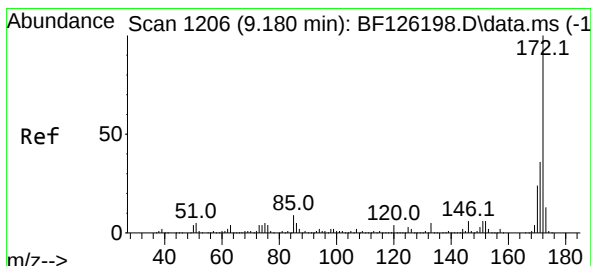
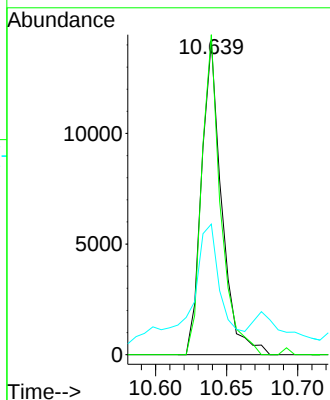
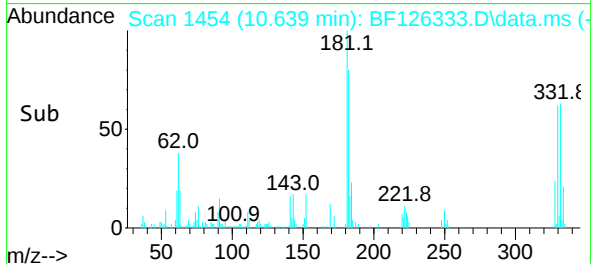
Instrument :
BNA_F
ClientSampleId :
SB-91SB-22-C2



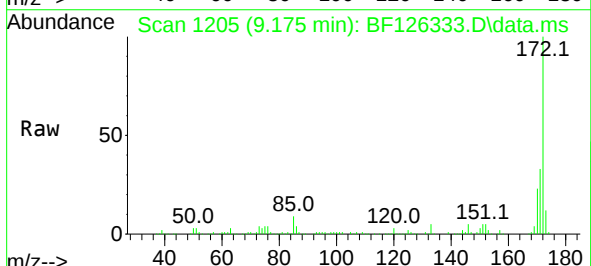
Tgt Ion: 330 Resp: 14014
Ion Ratio Lower Upper
330 100
332 96.0 76.2 114.4
141 55.3 44.6 66.8

Manual Integrations
APPROVED

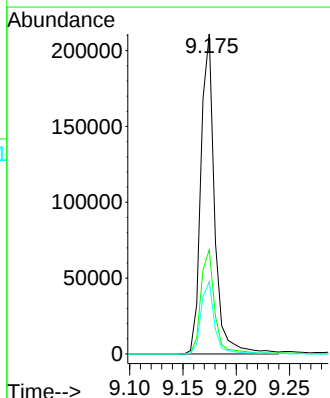
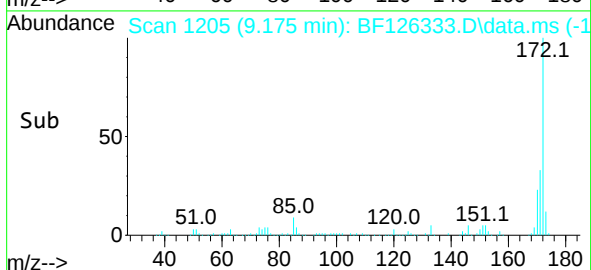
Reviewed By : Jagrut Upadhyay 12/23/2021
Supervised By : mohammad ahmed 12/29/2021

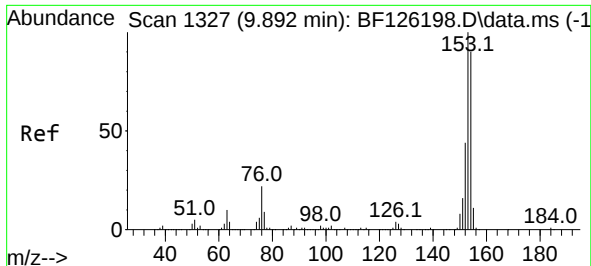


#45
2-Fluorobiphenyl
Concen: 13.210 ng
RT: 9.175 min Scan# 1205
Delta R.T. -0.006 min
Lab File: BF126333.D
Acq: 22 Dec 2021 17:18



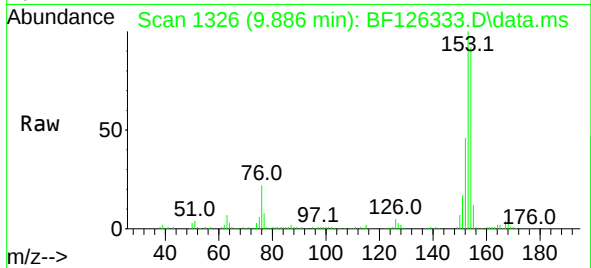
Tgt Ion: 172 Resp: 190097
Ion Ratio Lower Upper
172 100
171 32.6 26.5 39.7
170 22.6 18.8 28.2





#52
Acenaphthene
Concen: 10.380 ng
RT: 9.886 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF126333.D
Acq: 22 Dec 2021 17:18

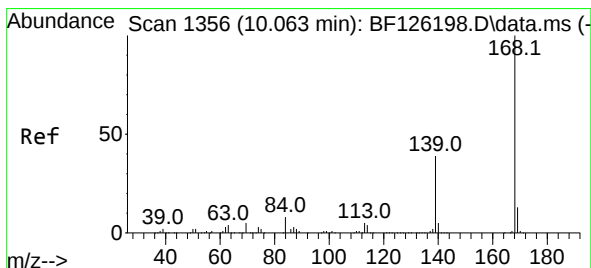
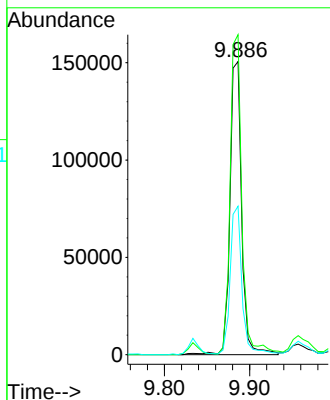
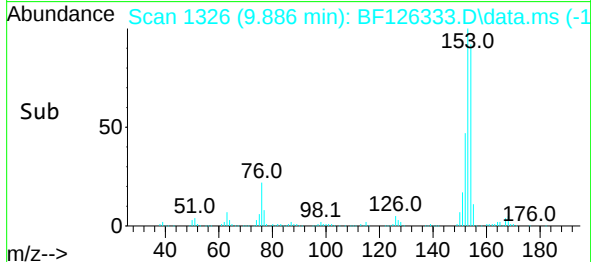
Instrument :
BNA_F
ClientSampleId :
SB-91SB-22-C2



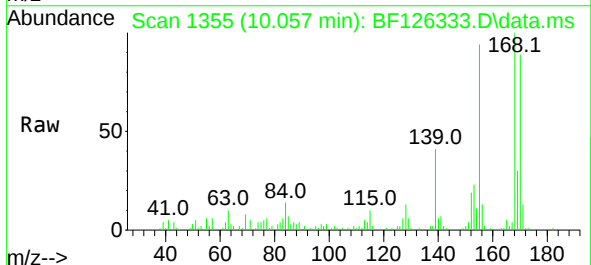
Tgt Ion:154 Resp: 144429
Ion Ratio Lower Upper
154 100
153 109.2 89.4 134.2
152 50.6 40.5 60.7

Manual Integrations
APPROVED

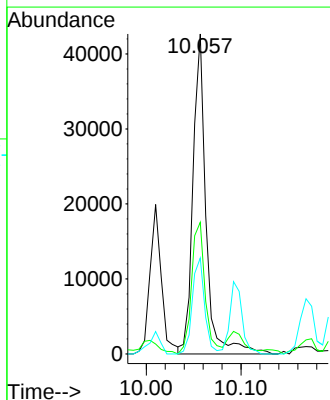
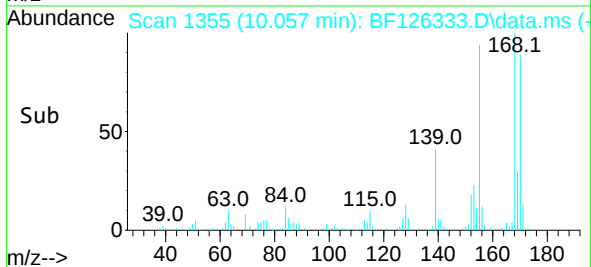
Reviewed By :Jagrut Upadhyay 12/23/2021
Supervised By :mohammad ahmed 12/29/2021

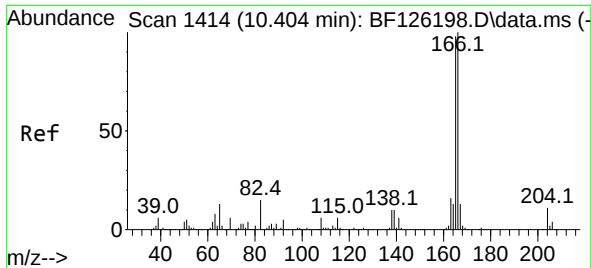


#55
Dibenzofuran
Concen: 2.162 ng
RT: 10.057 min Scan# 1355
Delta R.T. -0.006 min
Lab File: BF126333.D
Acq: 22 Dec 2021 17:18



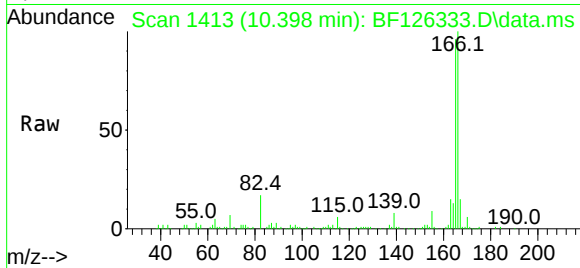
Tgt Ion:168 Resp: 40956
Ion Ratio Lower Upper
168 100
139 41.1 32.7 49.1
169 30.0 11.2 16.8#





#58
Fluorene
Concen: 9.345 ng
RT: 10.398 min Scan# 1414
Delta R.T. -0.006 min
Lab File: BF126333.D
Acq: 22 Dec 2021 17:18

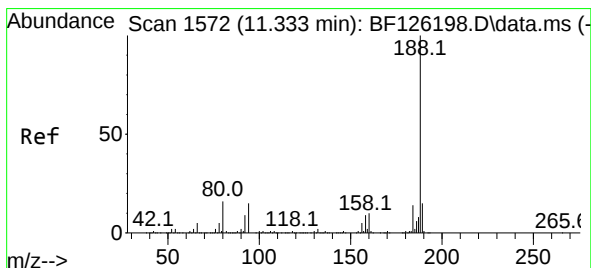
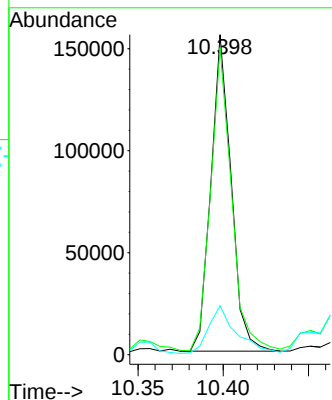
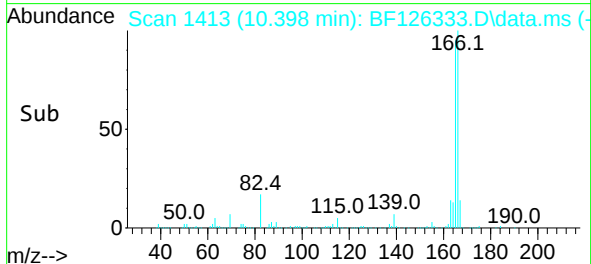
Instrument :
BNA_F
ClientSampleId :
SB-91SB-22-C2



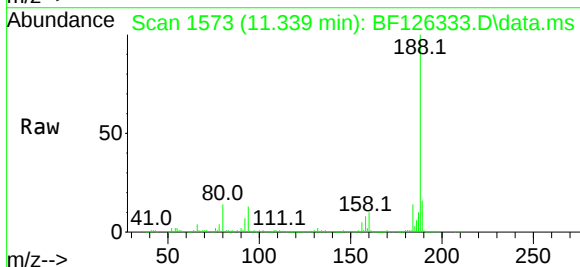
Tgt Ion:166 Resp: 12815
Ion Ratio Lower Upper
166 100
165 95.8 78.1 117.1
167 15.3 11.1 16.7

Manual Integrations
APPROVED

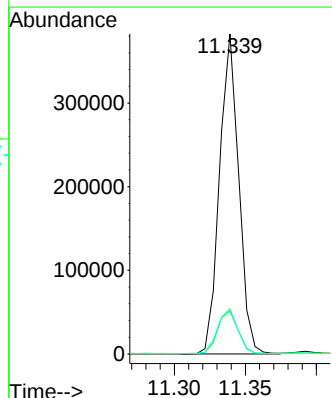
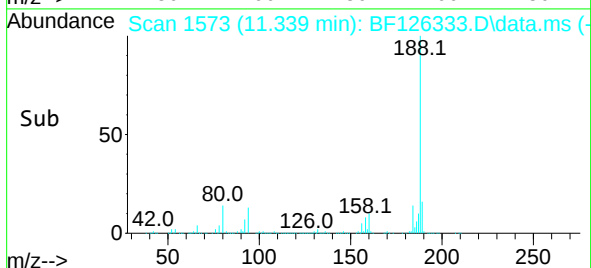
Reviewed By :Jagrut Upadhyay 12/23/2021
Supervised By :mohammad ahmed 12/29/2021

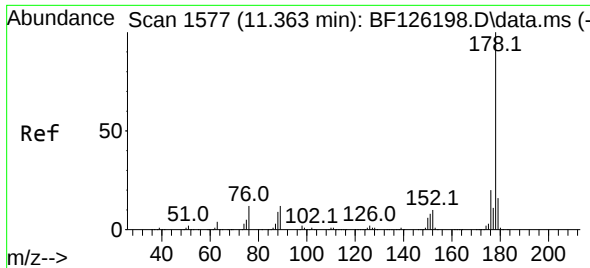


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.339 min Scan# 1573
Delta R.T. 0.000 min
Lab File: BF126333.D
Acq: 22 Dec 2021 17:18



Tgt Ion:188 Resp: 359170
Ion Ratio Lower Upper
188 100
94 13.5 6.7 10.1#
80 14.1 7.5 11.3#





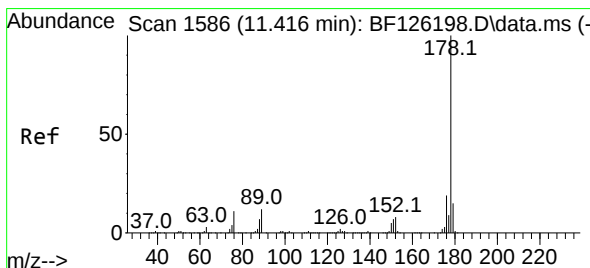
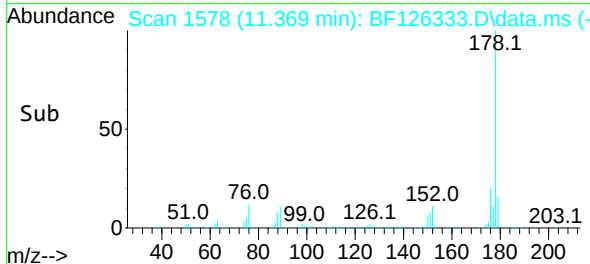
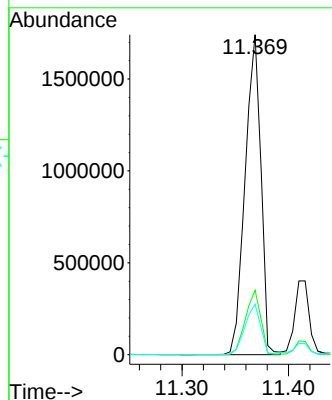
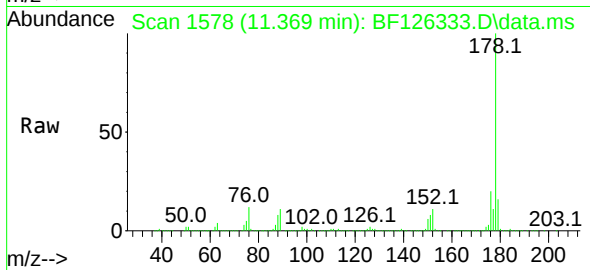
#71
Phenanthrene
Concen: 96.366 ng
RT: 11.369 min Scan# 1577
Delta R.T. 0.006 min
Lab File: BF126333.D
Acq: 22 Dec 2021 17:18

Instrument :
BNA_F
ClientSampleId :
SB-91SB-22-C2

Tgt Ion:178 Resp: 178642
Ion Ratio Lower Upper
178 100
176 20.1 14.7 22.1
179 15.8 11.5 17.3

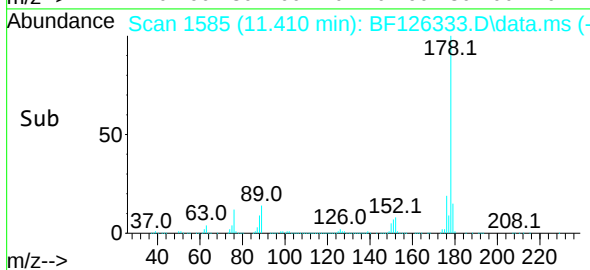
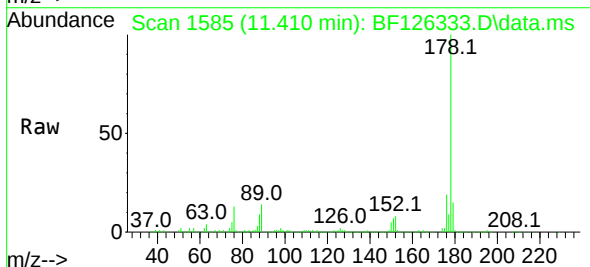
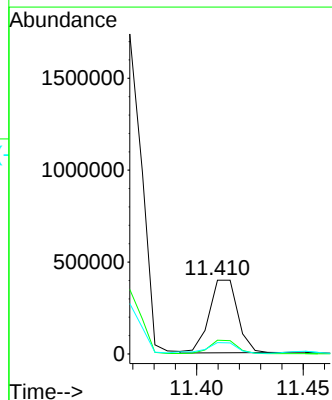
Manual Integrations
APPROVED

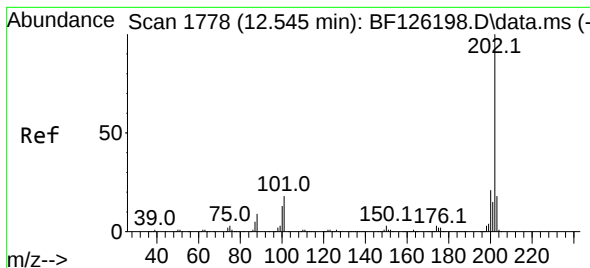
Reviewed By :Jagrut Upadhyay 12/23/2021
Supervised By :mohammad ahmed 12/29/2021



#72
Anthracene
Concen: 19.788 ng
RT: 11.410 min Scan# 1585
Delta R.T. -0.006 min
Lab File: BF126333.D
Acq: 22 Dec 2021 17:18

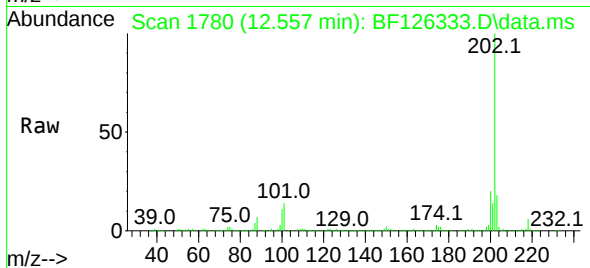
Tgt Ion:178 Resp: 368190
Ion Ratio Lower Upper
178 100
176 18.6 14.3 21.5
179 15.3 12.2 18.4





#75
Fluoranthene
Concen: 56.550 ng
RT: 12.557 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF126333.D
Acq: 22 Dec 2021 17:18

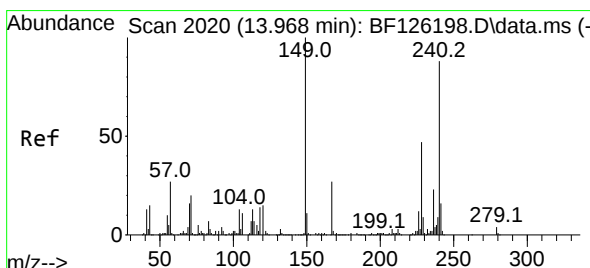
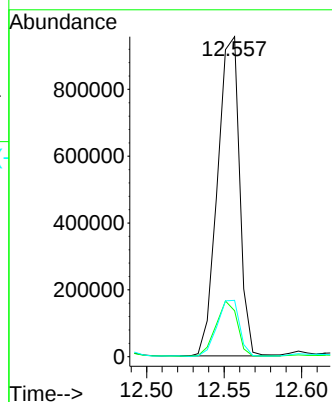
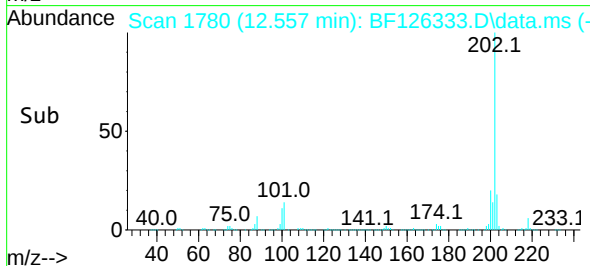
Instrument :
BNA_F
ClientSampleId :
SB-91SB-22-C2



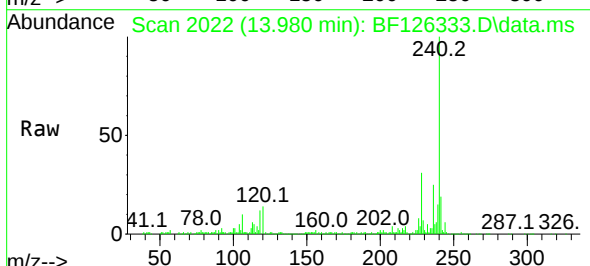
Tgt Ion:202 Resp: 944504
Ion Ratio Lower Upper
202 100
101 14.4 0.0 30.7
203 17.6 0.0 36.3

Manual Integrations
APPROVED

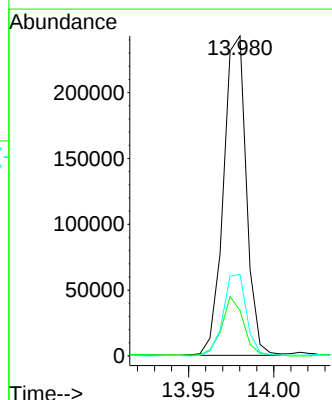
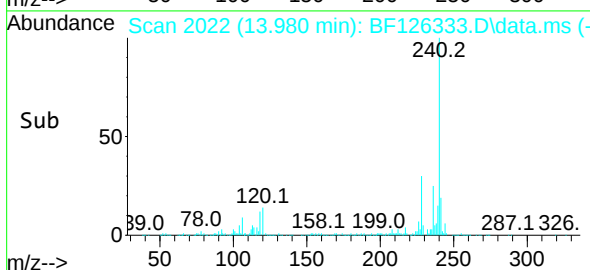
Reviewed By :Jagrut Upadhyay 12/23/2021
Supervised By :mohammad ahmed 12/29/2021

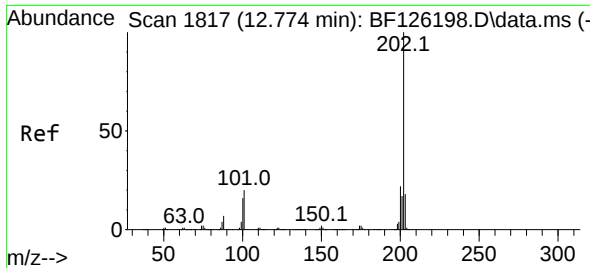


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.980 min Scan# 2022
Delta R.T. 0.000 min
Lab File: BF126333.D
Acq: 22 Dec 2021 17:18



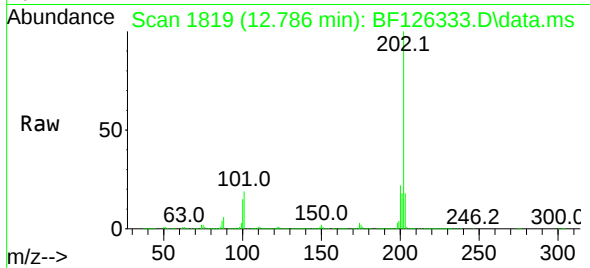
Tgt Ion:240 Resp: 226225
Ion Ratio Lower Upper
240 100
120 14.1 10.8 16.2
236 25.5 21.6 32.4





#78
Pyrene
Concen: 68.393 ng
RT: 12.786 min Scan# 1819
Delta R.T. 0.006 min
Lab File: BF126333.D
Acq: 22 Dec 2021 17:18

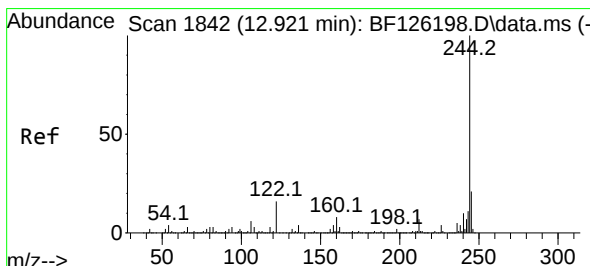
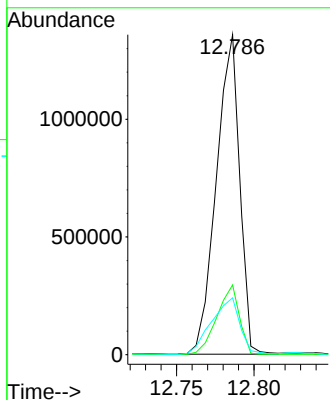
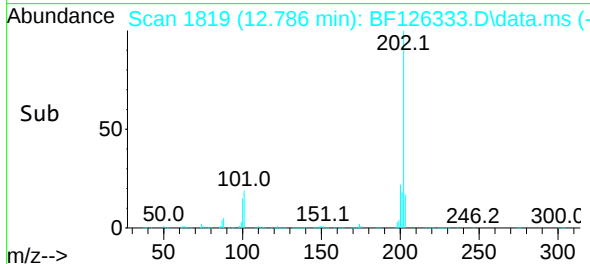
Instrument :
BNA_F
ClientSampleId :
SB-91SB-22-C2



Tgt Ion:202 Resp: 142147
Ion Ratio Lower Upper
202 100
200 21.8 15.3 22.9
203 17.8 13.4 20.0

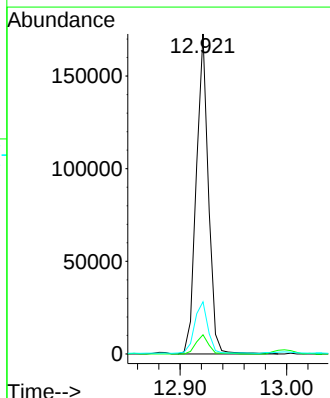
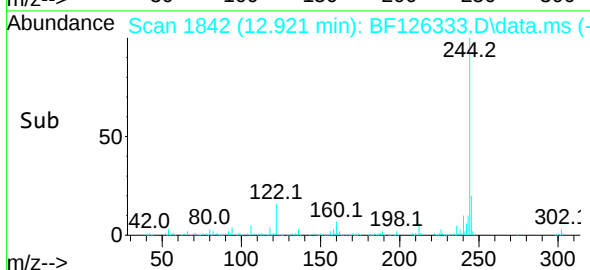
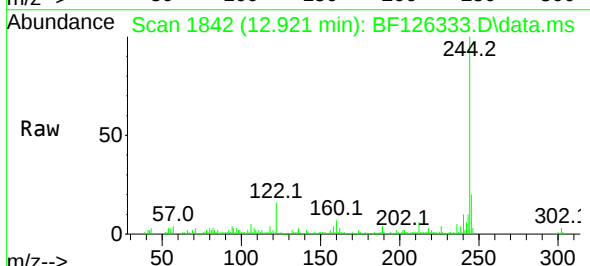
Manual Integrations
APPROVED

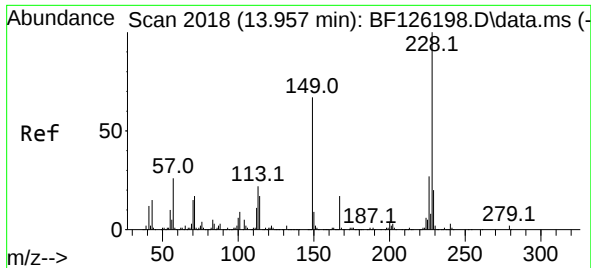
Reviewed By :Jagrut Upadhyay 12/23/2021
Supervised By :mohammad ahmed 12/29/2021



#79
Terphenyl-d14
Concen: 10.517 ng
RT: 12.921 min Scan# 1842
Delta R.T. -0.006 min
Lab File: BF126333.D
Acq: 22 Dec 2021 17:18

Tgt Ion:244 Resp: 136889
Ion Ratio Lower Upper
244 100
212 6.0 5.9 8.9
122 16.3 9.0 13.4





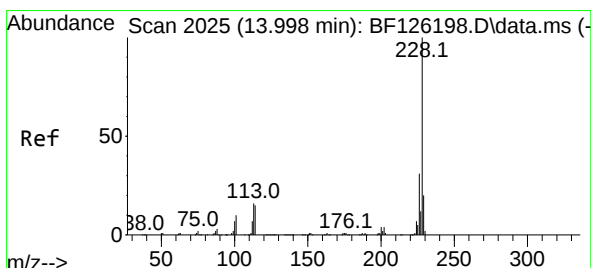
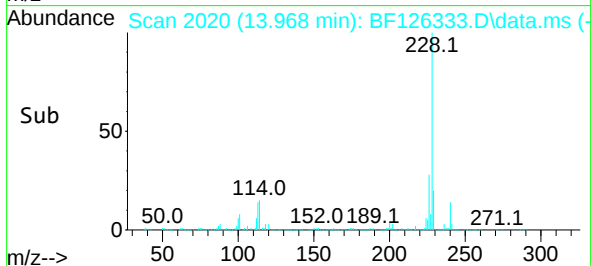
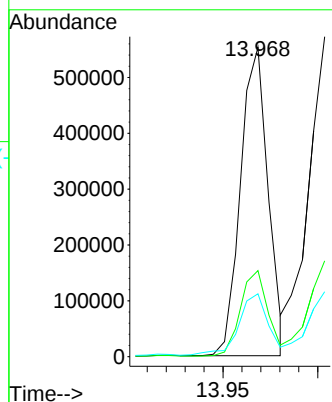
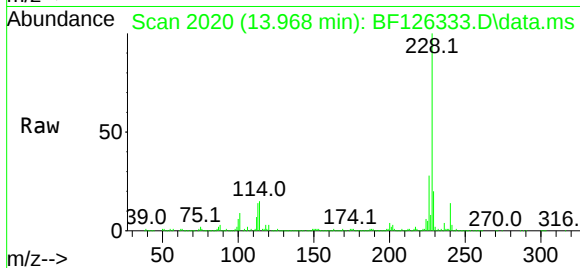
#81
Benzo(a)anthracene
Concen: 41.731 ng
RT: 13.968 min Scan# 2019
Delta R.T. 0.000 min
Lab File: BF126333.D
Acq: 22 Dec 2021 17:18

Instrument :
BNA_F
ClientSampleId :
SB-91SB-22-C2

Tgt Ion:228 Resp: 559200
Ion Ratio Lower Upper
228 100
226 27.8 21.6 32.4
229 20.3 15.6 23.4

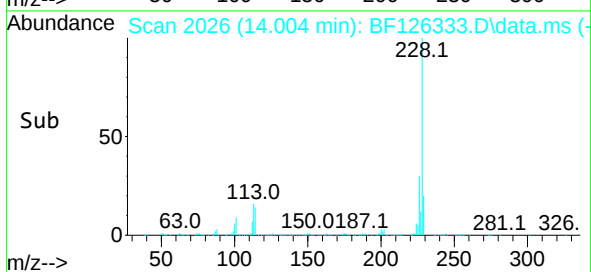
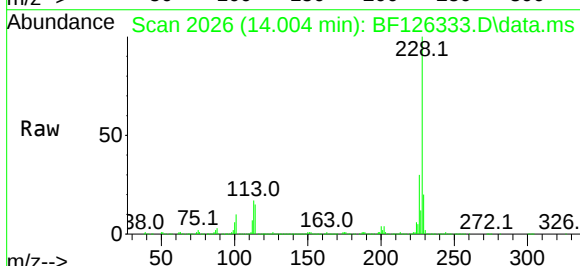
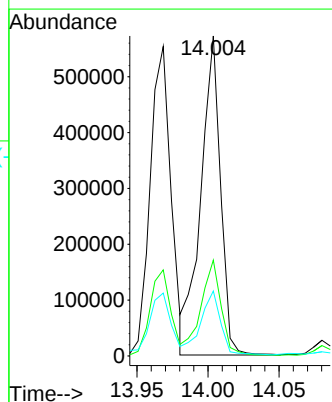
Manual Integrations
APPROVED

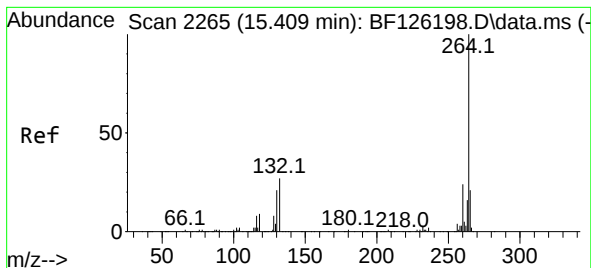
Reviewed By :Jagrut Upadhyay 12/23/2021
Supervised By :mohammad ahmed 12/29/2021



#83
Chrysene
Concen: 39.758 ng
RT: 14.004 min Scan# 2026
Delta R.T. 0.000 min
Lab File: BF126333.D
Acq: 22 Dec 2021 17:18

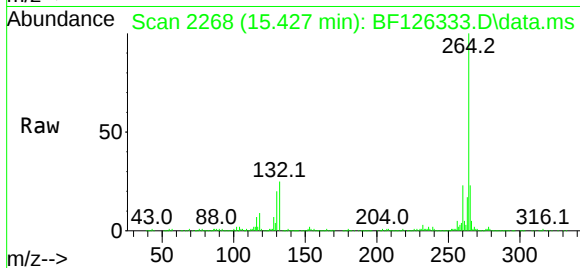
Tgt Ion:228 Resp: 553544
Ion Ratio Lower Upper
228 100
226 30.0 22.6 34.0
229 20.3 15.9 23.9





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.427 min Scan# 2111
Delta R.T. 0.000 min
Lab File: BF126333.D
Acq: 22 Dec 2021 17:18

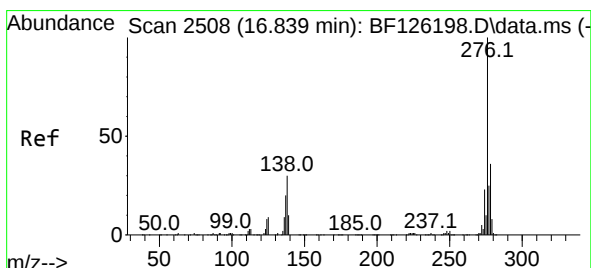
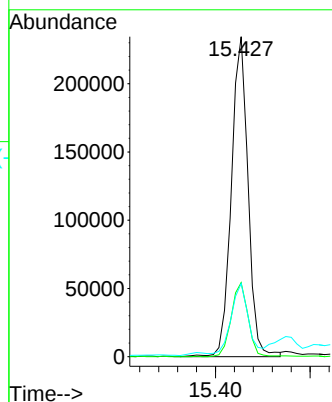
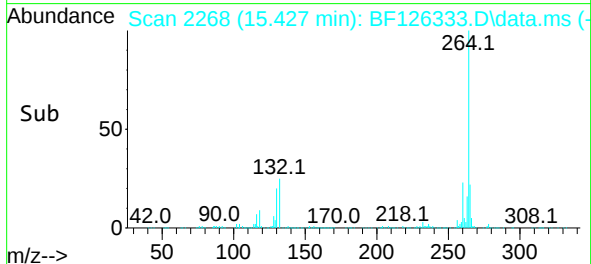
Instrument :
BNA_F
ClientSampleId :
SB-91SB-22-C2



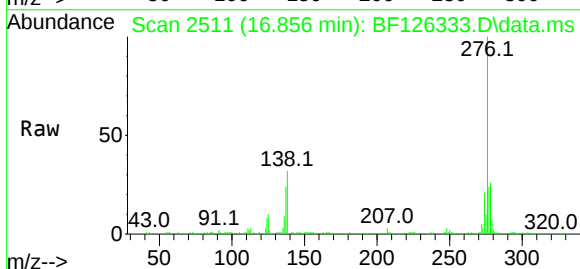
Tgt Ion:264 Resp: 287480
Ion Ratio Lower Upper
264 100
260 23.2 19.6 29.4
265 22.8 17.2 25.8

Manual Integrations
APPROVED

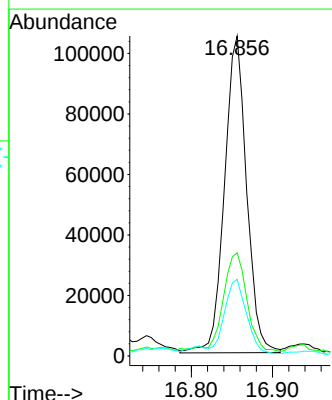
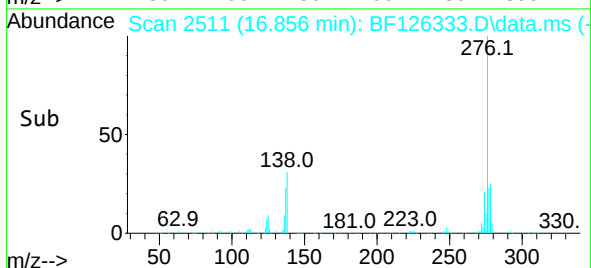
Reviewed By :Jagrut Upadhyay 12/23/2021
Supervised By :mohammad ahmed 12/29/2021

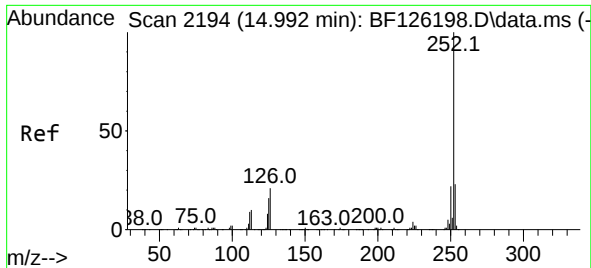


#87
Indeno(1,2,3-cd)pyrene
Concen: 10.351 ng
RT: 16.856 min Scan# 2511
Delta R.T. -0.006 min
Lab File: BF126333.D
Acq: 22 Dec 2021 17:18



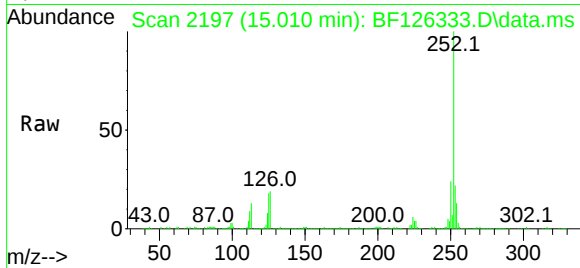
Tgt Ion:276 Resp: 198493
Ion Ratio Lower Upper
276 100
138 35.2 24.1 36.1
277 23.3 18.8 28.2





#88
Benzo(b)fluoranthene
Concen: 27.732 ng m
RT: 15.010 min Scan# 2194
Delta R.T. 0.006 min
Lab File: BF126333.D
Acq: 22 Dec 2021 17:18

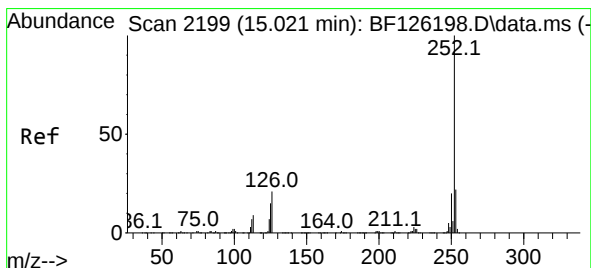
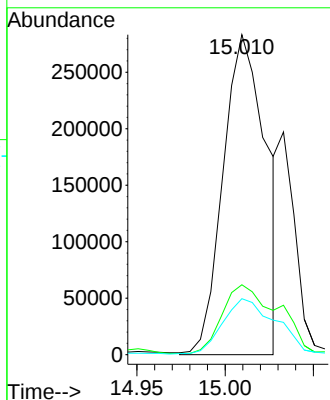
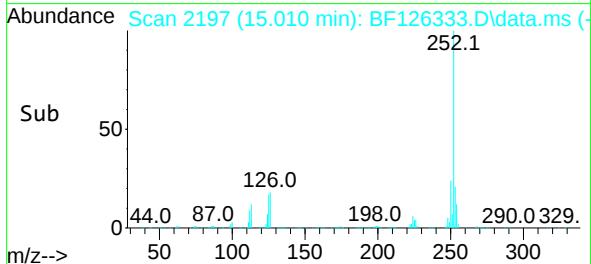
Instrument :
BNA_F
ClientSampleId :
SB-91SB-22-C2



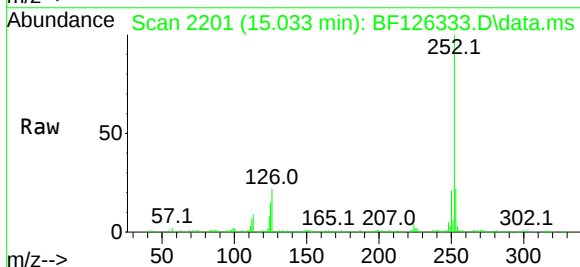
Tgt Ion:252 Resp: 47903
Ion Ratio Lower Upper
252 100
253 21.9 16.8 25.2
125 17.5 9.8 14.8

Manual Integrations
APPROVED

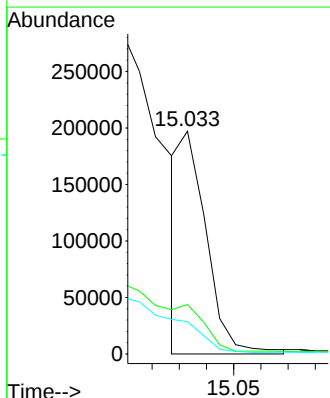
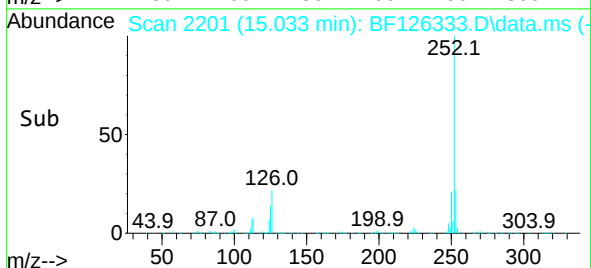
Reviewed By :Jagrut Upadhyay 12/23/2021
Supervised By :mohammad ahmed 12/29/2021

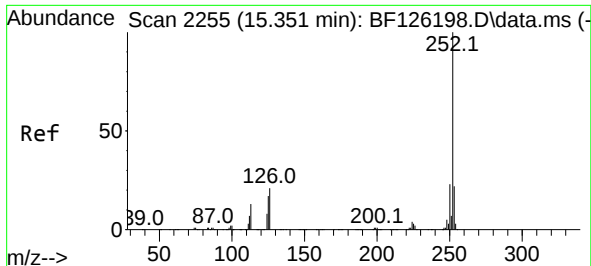


#89
Benzo(k)fluoranthene
Concen: 7.980 ng m
RT: 15.033 min Scan# 2201
Delta R.T. 0.000 min
Lab File: BF126333.D
Acq: 22 Dec 2021 17:18



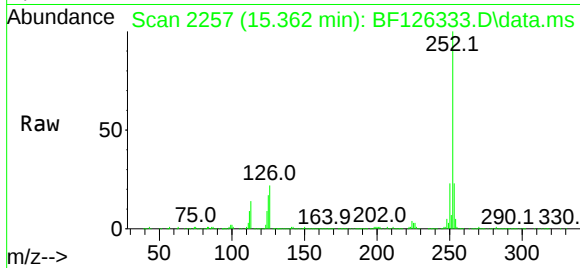
Tgt Ion:252 Resp: 131869
Ion Ratio Lower Upper
252 100
253 22.2 17.8 26.8
125 14.5 7.2 10.8





#90
Benzo(a)pyrene
Concen: 28.250 ng
RT: 15.362 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF126333.D
Acq: 22 Dec 2021 17:18

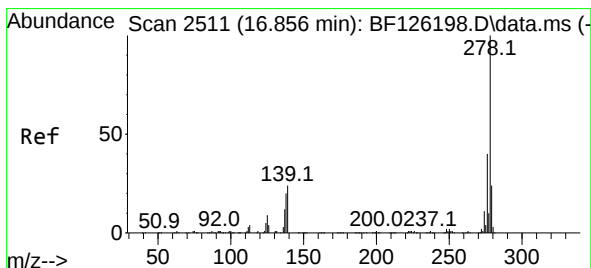
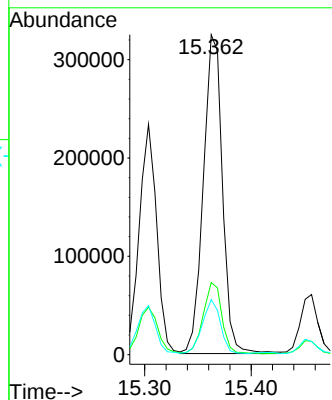
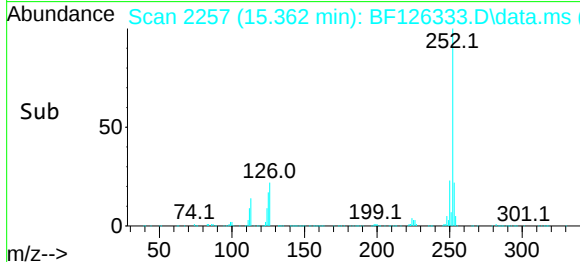
Instrument :
BNA_F
ClientSampleId :
SB-91SB-22-C2



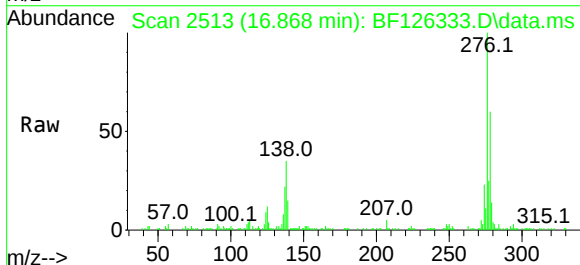
Tgt Ion:252 Resp: 405574
Ion Ratio Lower Upper
252 100
253 22.6 18.4 27.6
125 17.2 9.9 14.9

Manual Integrations
APPROVED

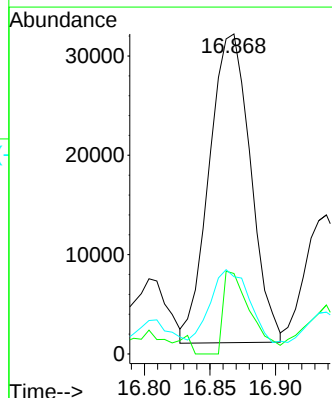
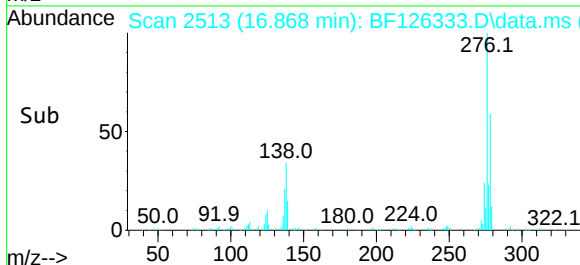
Reviewed By :Jagrut Upadhyay 12/23/2021
Supervised By :mohammad ahmed 12/29/2021

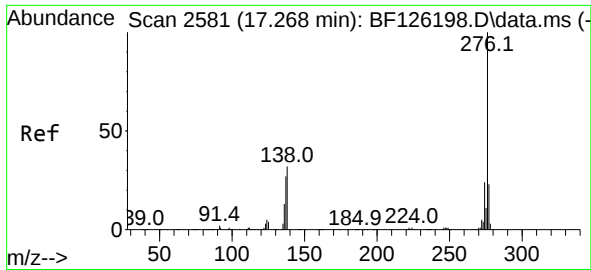


#91
Dibenzo(a,h)anthracene
Concen: 4.368 ng
RT: 16.868 min Scan# 2513
Delta R.T. -0.012 min
Lab File: BF126333.D
Acq: 22 Dec 2021 17:18



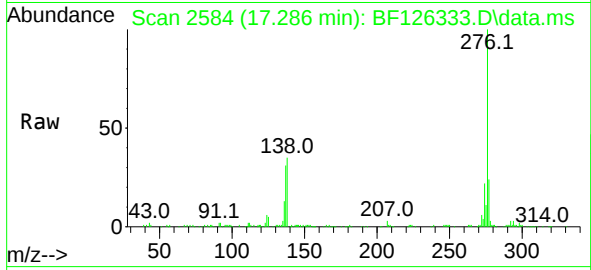
Tgt Ion:278 Resp: 68083
Ion Ratio Lower Upper
278 100
139 25.2 14.9 22.3#
279 24.1 19.7 29.5





#92
 Benzo(g,h,i)perylene
 Concen: 11.949 ng m
 RT: 17.286 min Scan# 2584
 Delta R.T. -0.012 min
 Lab File: BF126333.D
 Acq: 22 Dec 2021 17:18

Instrument :
 BNA_F
 ClientSampleId :
 SB-91SB-22-C2



Tgt Ion:276 Resp: 19271
 Ion Ratio Lower Upper
 276 100
 277 23.5 22.0 33.0
 138 34.6 22.2 33.4

Manual Integrations
 APPROVED

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

