

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122221\
 Data File : BF126334.D
 Acq On : 22 Dec 2021 17:49
 Operator : JU/CG
 Sample : M5198-02 10X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-91SB-22-G2

Manual Integrations
 APPROVED

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

Quant Time: Dec 22 18:10:32 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	135410	20.000	ng	0.00
21) Naphthalene-d8	8.098	136	528194	20.000	ng	# 0.00
39) Acenaphthene-d10	9.851	164	215384	20.000	ng	0.00
64) Phenanthrene-d10	11.339	188	311931	20.000	ng	# 0.00
76) Chrysene-d12	13.980	240	229752	20.000	ng	# 0.00
86) Perylene-d12	15.433	264	291272	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.422	112	29778	3.239	ng	0.00
7) Phenol-d6	6.434	99	102164	8.750	ng	-0.01
23) Nitrobenzene-d5	7.375	82	68922	7.067	ng	0.00
42) 2,4,6-Tribromophenol	10.645	330	910	0.526	ng	0.00
45) 2-Fluorobiphenyl	9.175	172	109908	8.950	ng	0.00
79) Terphenyl-d14	12.921	244	86436	6.539	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.122	128	104889	4.246	ng	99
37) 2-Methylnaphthalene	8.810	142	230171	15.131	ng	99
38) 1-Methylnaphthalene	8.910	142	220054	14.906	ng	96
46) 1,1'-Biphenyl	9.275	154	44561	2.798	ng	96
52) Acenaphthene	9.886	154	264074	22.240	ng	100
55) Dibenzofuran	10.057	168	68698	4.250	ng	# 91
58) Fluorene	10.398	166	197177	16.848	ng	98
71) Phenanthrene	11.375	178	2611069	162.181	ng	94
72) Anthracene	11.416	178	557182	34.480	ng	99
75) Fluoranthene	12.557	202	1432041	98.724	ng	91
78) Pyrene	12.792	202	2130714	100.944	ng	96
81) Benzo(a)anthracene	13.974	228	922076	67.753	ng	97
83) Chrysene	14.010	228	884665	62.565	ng	97
87) Indeno(1,2,3-cd)pyrene	16.868	276	324886	16.722	ng	96
88) Benzo(b)fluoranthene	15.015	252	811131m	46.347	ng	
89) Benzo(k)fluoranthene	15.039	252	209986m	12.542	ng	
90) Benzo(a)pyrene	15.374	252	669918	46.056	ng	# 96
91) Dibenzo(a,h)anthracene	16.874	278	103101m	6.528	ng	
92) Benzo(g,h,i)perylene	17.298	276	298616	18.275	ng	# 91

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

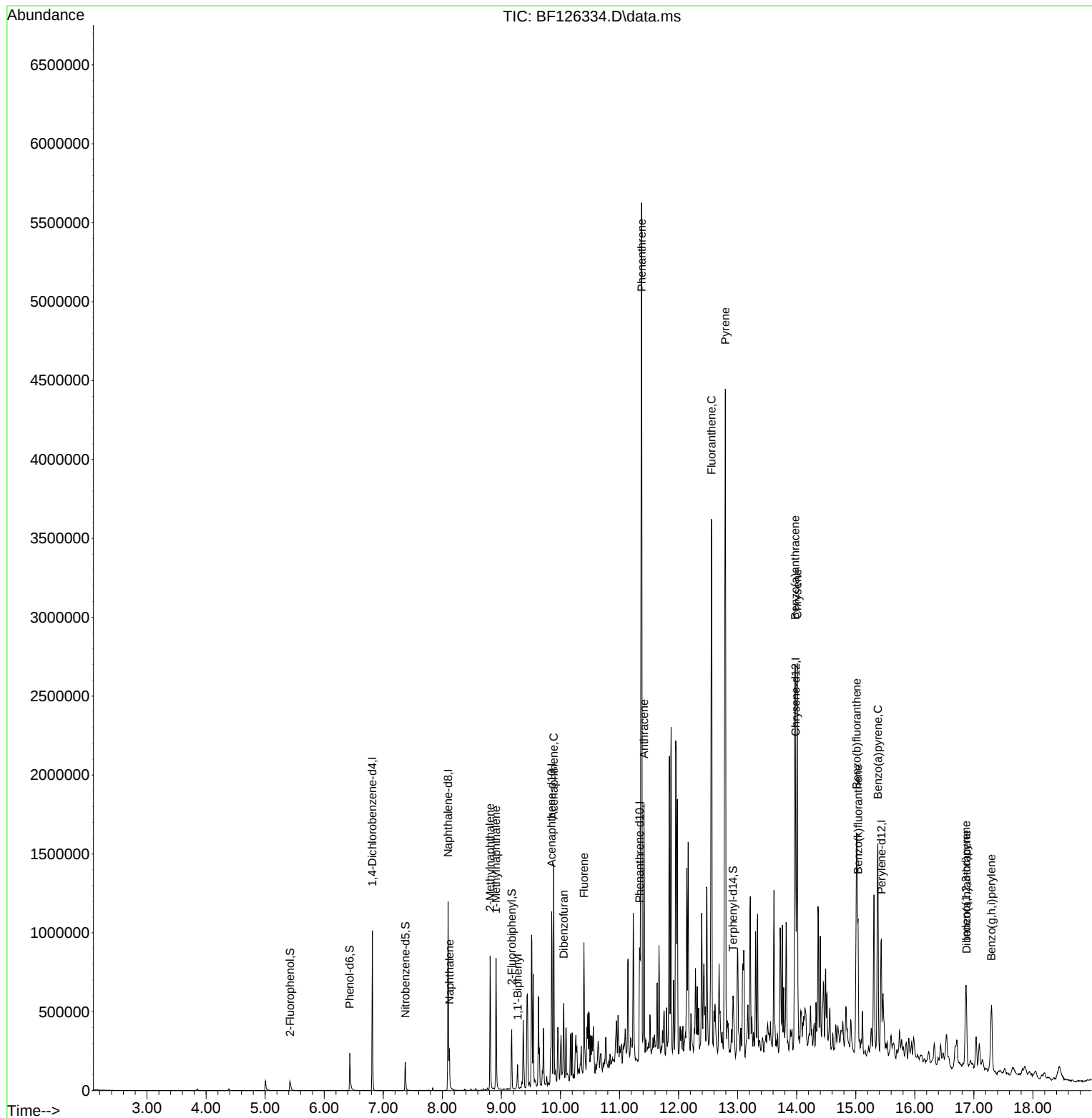
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122221\
Data File : BF126334.D
Acq On : 22 Dec 2021 17:49
Operator : JU/CG
Sample : M5198-02 10X
Misc :
ALS Vial : 14 Sample Multiplier: 1

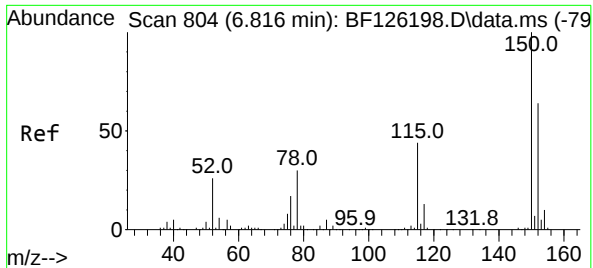
Instrument :
BNA_F
ClientSampleId :
SB-91SB-22-G2

Manual Integrations
APPROVED

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

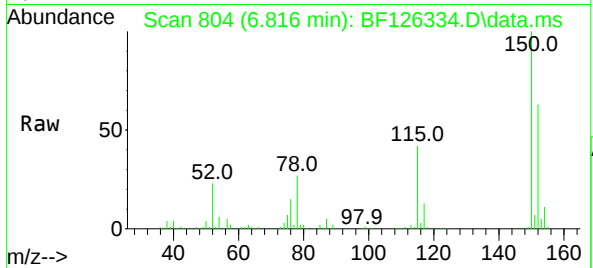
Quant Time: Dec 22 18:10:32 2021
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121521.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 22 13:00:11 2021
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.816 min Scan# 804
Delta R.T. 0.000 min
Lab File: BF126334.D
Acq: 22 Dec 2021 17:49

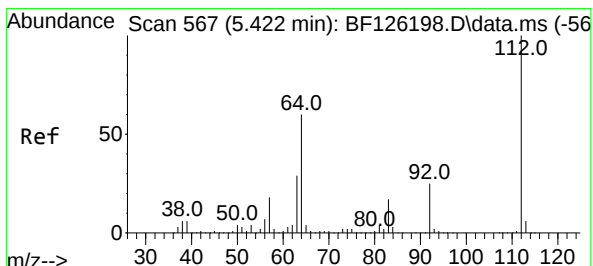
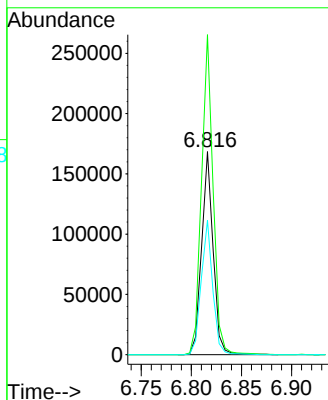
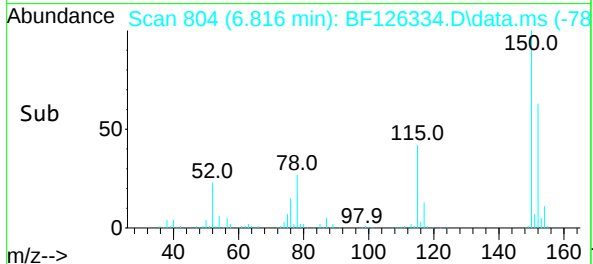
Instrument :
BNA_F
ClientSampleId :
SB-91SB-22-G2



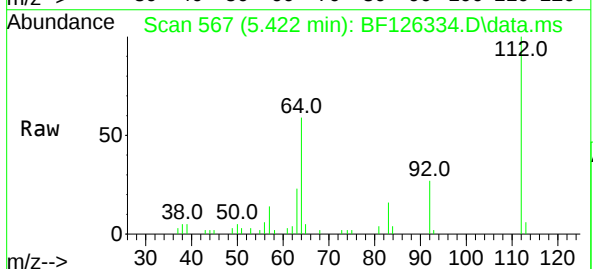
Tgt Ion:152 Resp: 135410
Ion Ratio Lower Upper
152 100
150 157.6 117.6 176.4
115 66.2 47.1 70.7

Manual Integrations
APPROVED

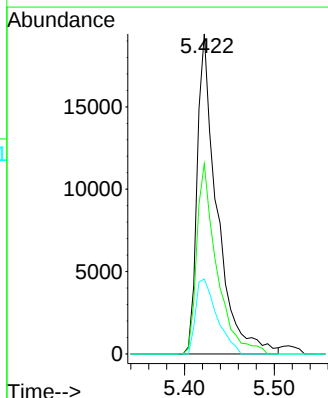
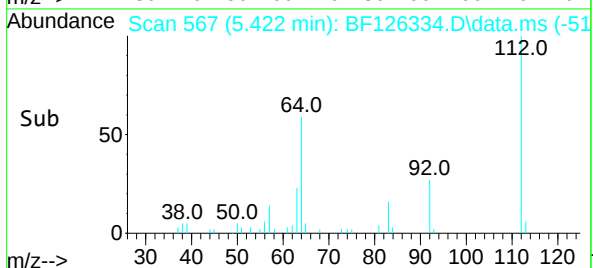
Reviewed By :Jagrut Upadhyay 12/23/2021
Supervised By :mohammad ahmed 12/29/2021

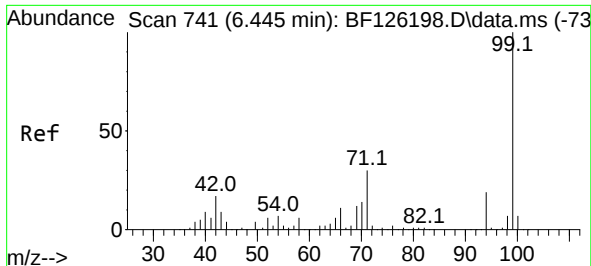


#5
2-Fluorophenol
Concen: 3.239 ng
RT: 5.422 min Scan# 567
Delta R.T. -0.006 min
Lab File: BF126334.D
Acq: 22 Dec 2021 17:49



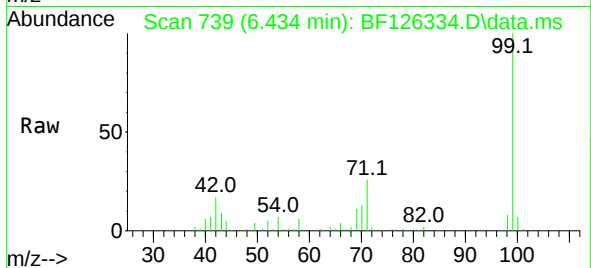
Tgt Ion:112 Resp: 29778
Ion Ratio Lower Upper
112 100
64 59.5 44.2 66.2
63 23.4 26.2 39.2#





#7
Phenol-d6
Concen: 8.750 ng
RT: 6.434 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF126334.D
Acq: 22 Dec 2021 17:49

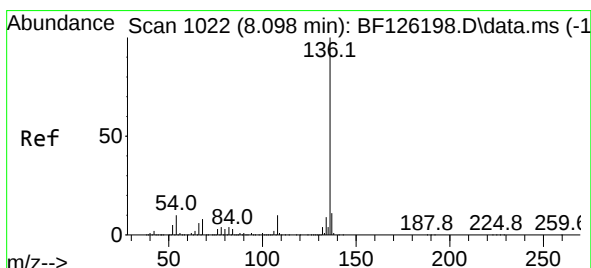
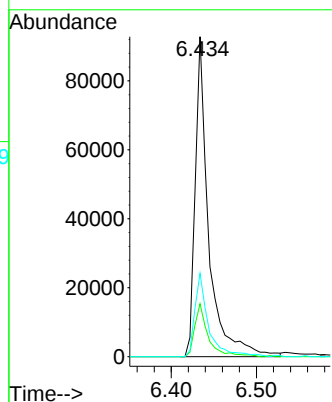
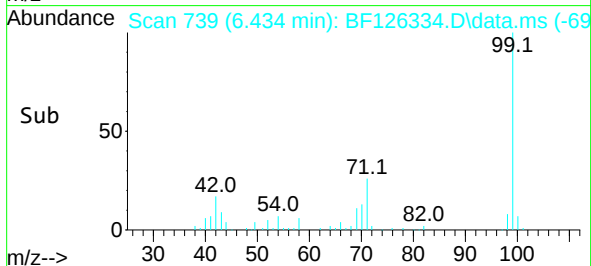
Instrument :
BNA_F
ClientSampleId :
SB-91SB-22-G2



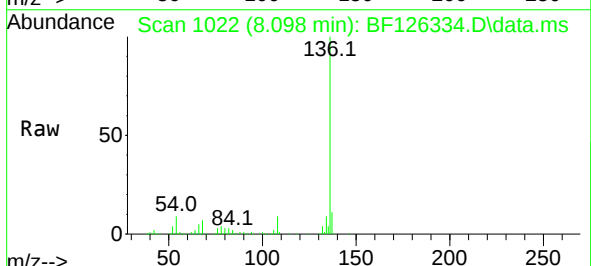
Tgt Ion: 99 Resp: 102164
Ion Ratio Lower Upper
99 100
42 16.6 23.5 35.3
71 26.0 25.6 38.4

Manual Integrations
APPROVED

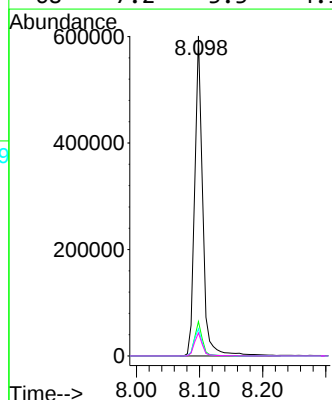
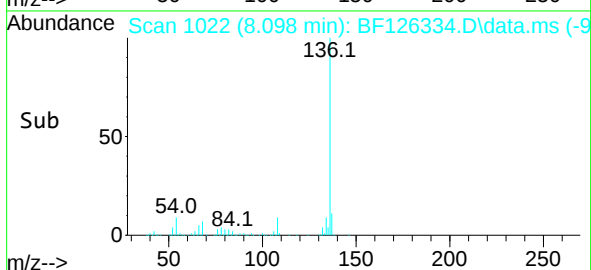
Reviewed By :Jagrut Upadhyay 12/23/2021
Supervised By :mohammad ahmed 12/29/2021

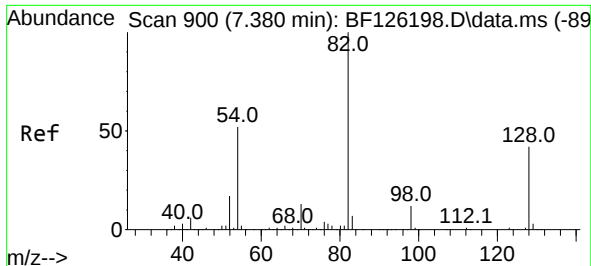


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.098 min Scan# 1022
Delta R.T. -0.006 min
Lab File: BF126334.D
Acq: 22 Dec 2021 17:49



Tgt Ion:136 Resp: 528194
Ion Ratio Lower Upper
136 100
137 10.7 9.8 14.6
54 8.5 6.4 9.6
68 7.2 3.3 4.9





#23

Nitrobenzene-d5

Concen: 7.067 ng

RT: 7.375 min Scan# 899

Delta R.T. -0.006 min

Lab File: BF126334.D

Acq: 22 Dec 2021 17:49

Instrument :

BNA_F

ClientSampleId :

SB-91SB-22-G2

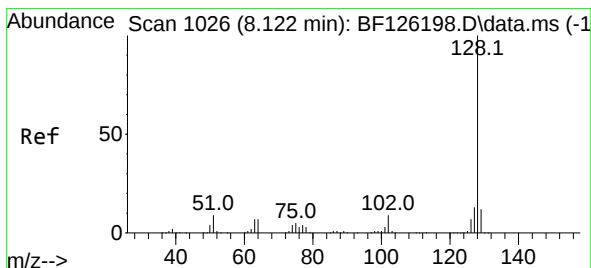
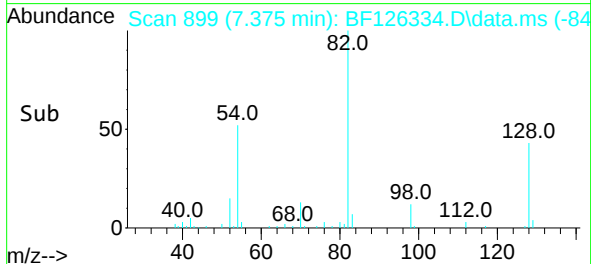
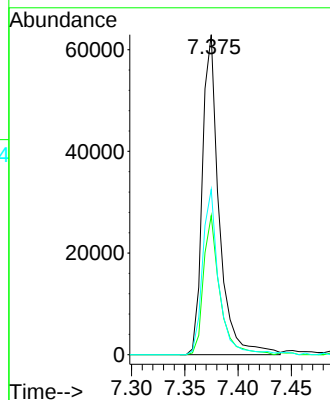
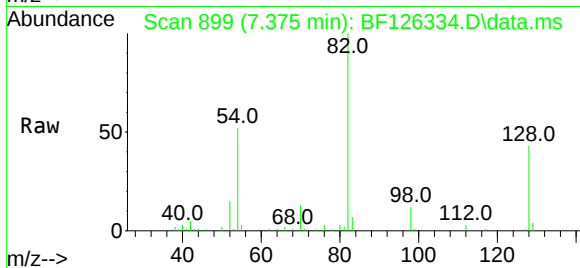
Tgt Ion: 82 Resp: 6892

Ion	Ratio	Lower	Upper
82	100		
128	43.5	40.6	60.8
54	51.6	49.6	74.4

Manual Integrations

APPROVED

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



#31

Naphthalene

Concen: 4.246 ng

RT: 8.122 min Scan# 1026

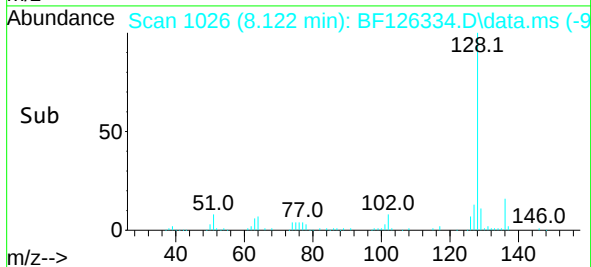
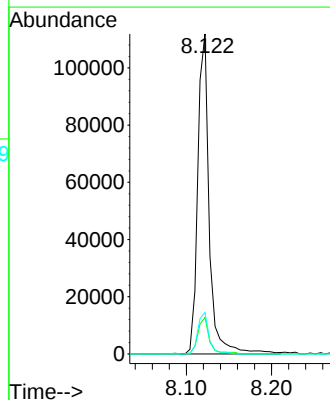
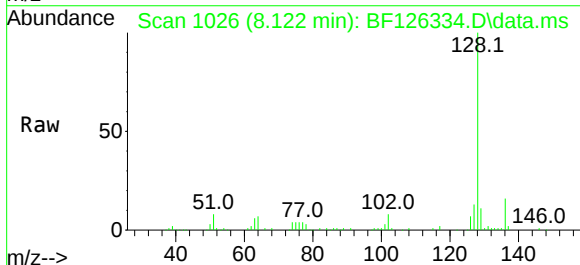
Delta R.T. 0.000 min

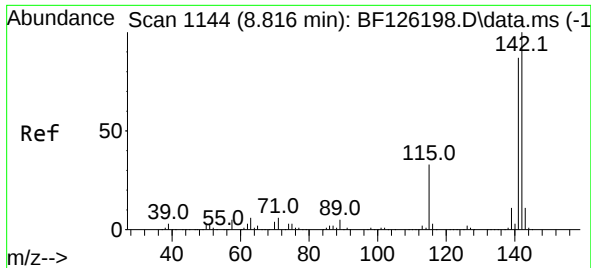
Lab File: BF126334.D

Acq: 22 Dec 2021 17:49

Tgt Ion:128 Resp: 104889

Ion	Ratio	Lower	Upper
128	100		
129	11.4	9.4	14.0
127	13.0	10.9	16.3





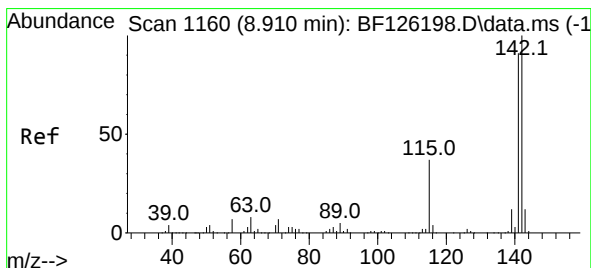
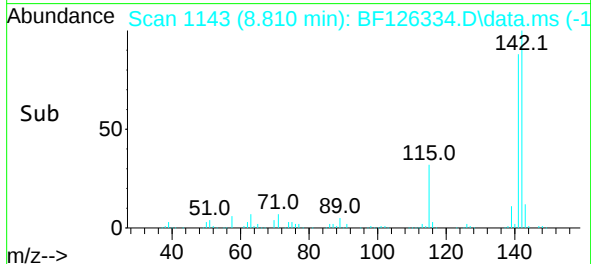
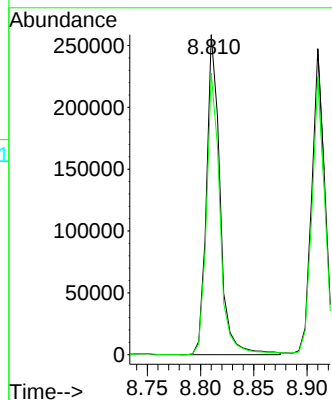
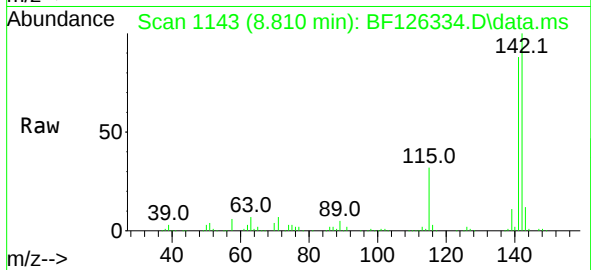
#37
2-Methylnaphthalene
Concen: 15.131 ng
RT: 8.810 min Scan# 1144
Delta R.T. -0.006 min
Lab File: BF126334.D
Acq: 22 Dec 2021 17:49

Instrument :
BNA_F
ClientSampleId :
SB-91SB-22-G2

Tgt Ion:142 Resp: 23017
Ion Ratio Lower Upper
142 100
141 87.9 71.2 106.8

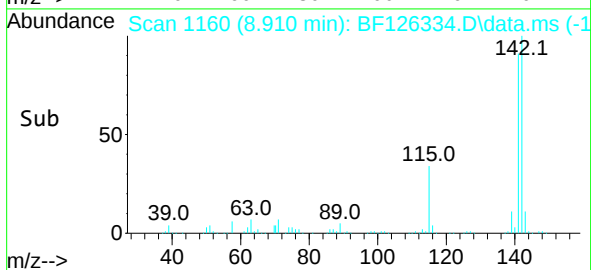
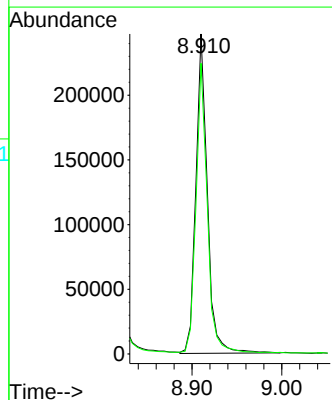
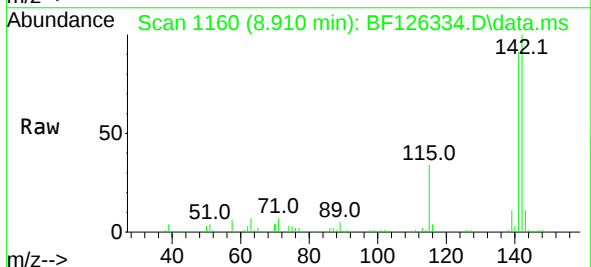
Manual Integrations
APPROVED

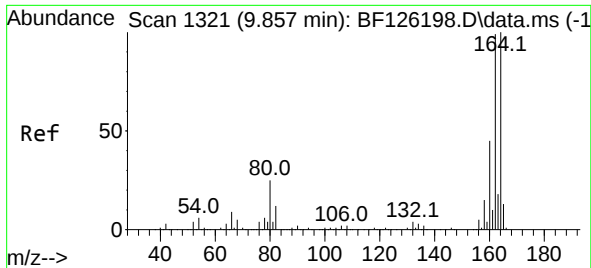
Reviewed By :Jagrut Upadhyay 12/23/2021
Supervised By :mohammad ahmed 12/29/2021



#38
1-Methylnaphthalene
Concen: 14.906 ng
RT: 8.910 min Scan# 1160
Delta R.T. -0.006 min
Lab File: BF126334.D
Acq: 22 Dec 2021 17:49

Tgt Ion:142 Resp: 220054
Ion Ratio Lower Upper
142 100
141 90.8 76.0 114.0





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.851 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF126334.D

Acq: 22 Dec 2021 17:49

Instrument :

BNA_F

ClientSampleId :

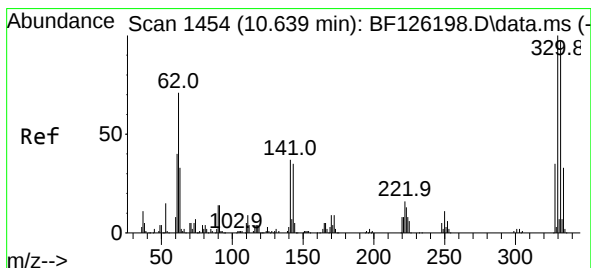
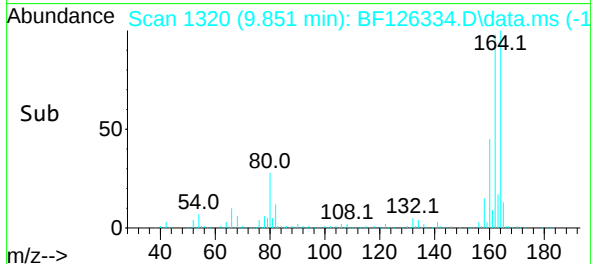
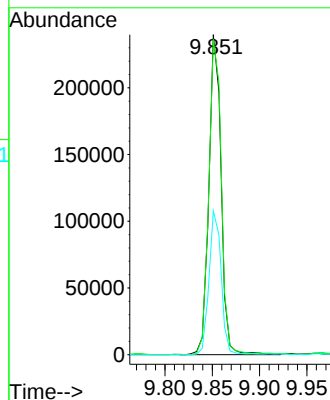
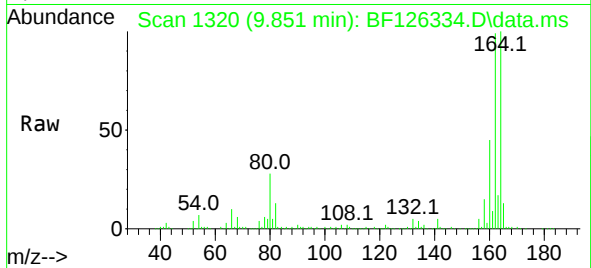
SB-91SB-22-G2

Tgt Ion:164	Resp:	215384
Ion Ratio	Lower	Upper
164	100	
162	98.5	81.3 121.9
160	44.9	38.0 57.0

Manual Integrations

APPROVED

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



#42

2,4,6-Tribromophenol

Concen: 0.526 ng

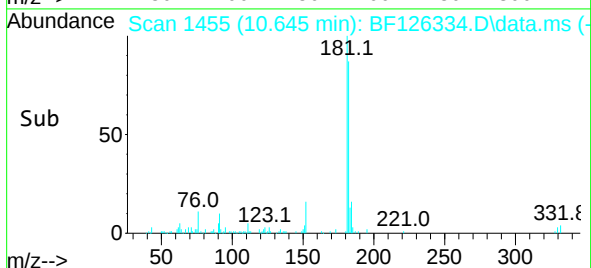
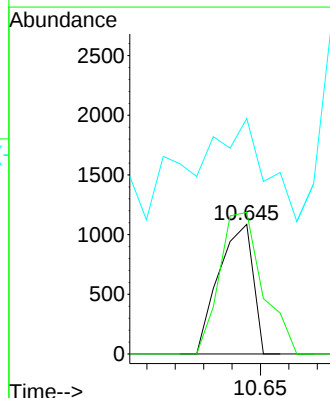
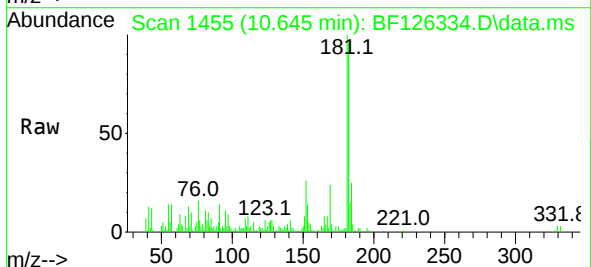
RT: 10.645 min Scan# 1455

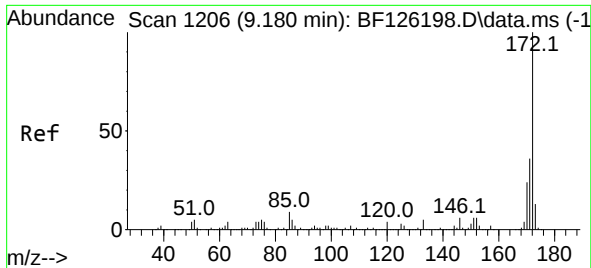
Delta R.T. 0.000 min

Lab File: BF126334.D

Acq: 22 Dec 2021 17:49

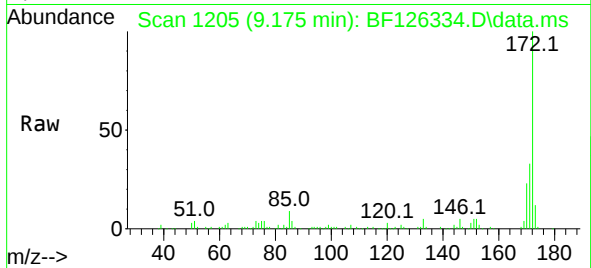
Tgt Ion:330	Resp:	910
Ion Ratio	Lower	Upper
330	100	
332	137.6	76.2 114.4#
141	232.9	44.6 66.8#





#45
2-Fluorobiphenyl
Concen: 8.950 ng
RT: 9.175 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF126334.D
Acq: 22 Dec 2021 17:49

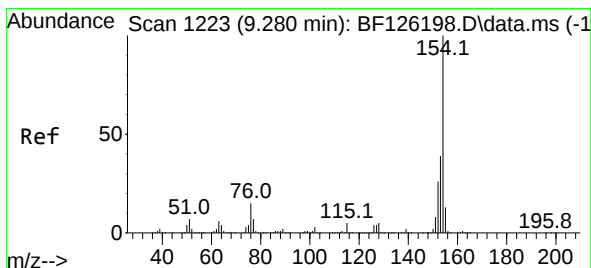
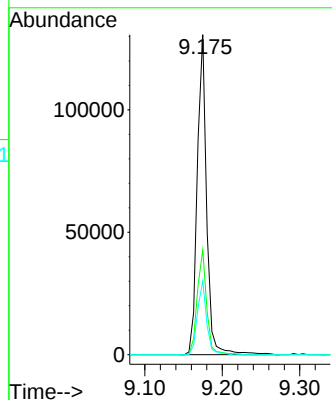
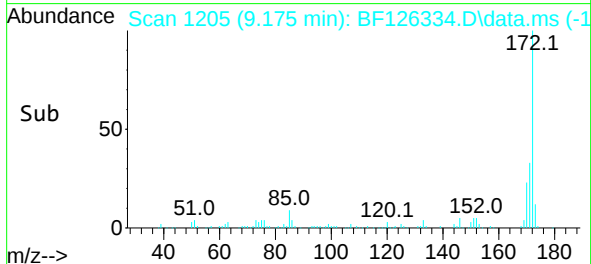
Instrument :
BNA_F
ClientSampleId :
SB-91SB-22-G2



Tgt Ion:172 Resp: 109908
Ion Ratio Lower Upper
172 100
171 32.8 26.5 39.7
170 23.0 18.8 28.2

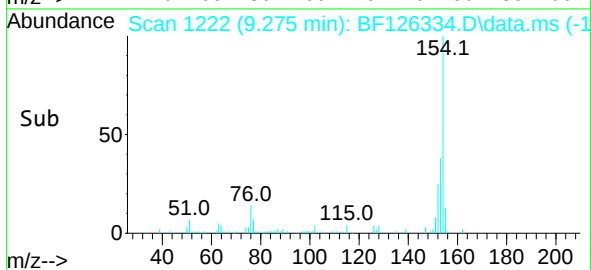
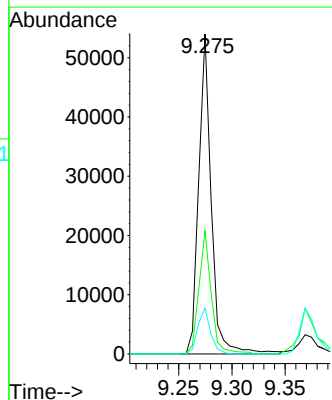
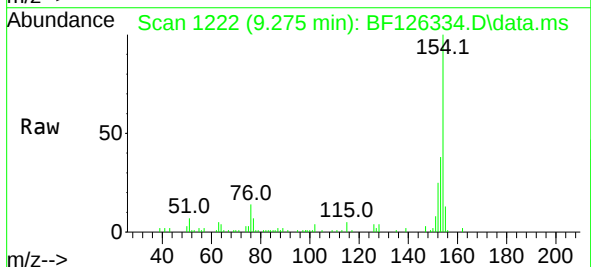
Manual Integrations
APPROVED

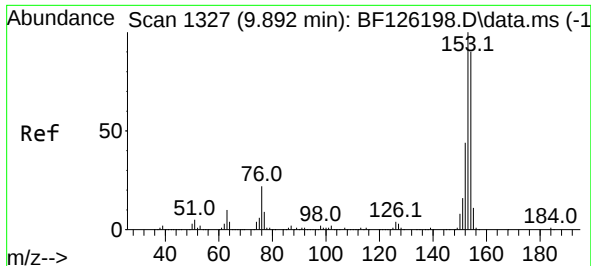
Reviewed By :Jagrut Upadhyay 12/23/2021
Supervised By :mohammad ahmed 12/29/2021



#46
1,1'-Biphenyl
Concen: 2.798 ng
RT: 9.275 min Scan# 1222
Delta R.T. -0.006 min
Lab File: BF126334.D
Acq: 22 Dec 2021 17:49

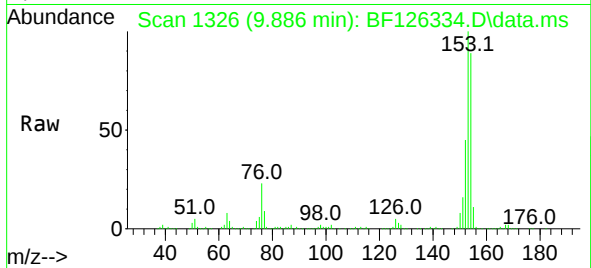
Tgt Ion:154 Resp: 44561
Ion Ratio Lower Upper
154 100
153 38.4 20.0 60.0
76 14.4 0.0 30.3





#52
Acenaphthene
Concen: 22.240 ng
RT: 9.886 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF126334.D
Acq: 22 Dec 2021 17:49

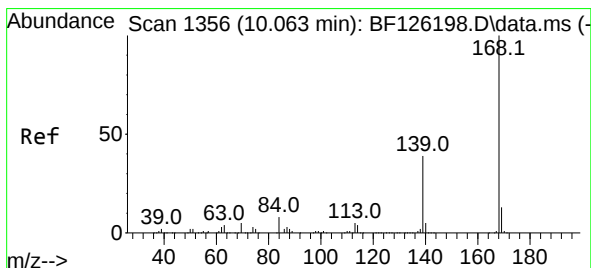
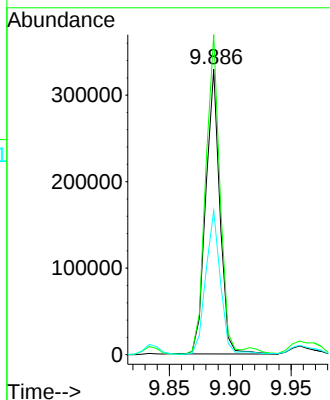
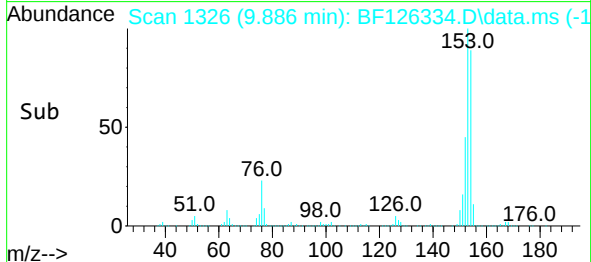
Instrument :
BNA_F
ClientSampleId :
SB-91SB-22-G2



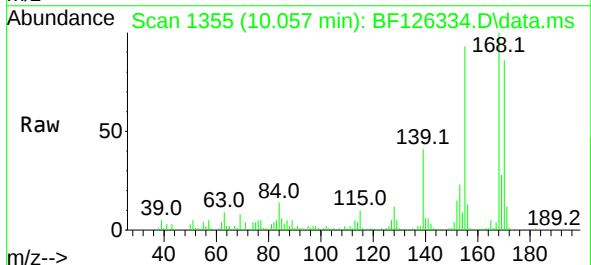
Tgt Ion:154 Resp: 264074
Ion Ratio Lower Upper
154 100
153 112.1 89.4 134.2
152 50.5 40.5 60.7

Manual Integrations
APPROVED

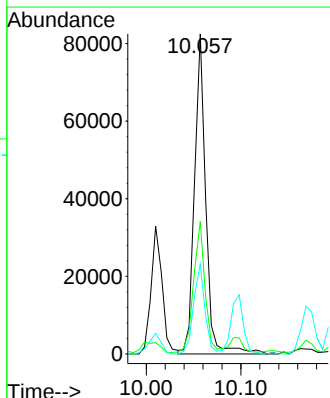
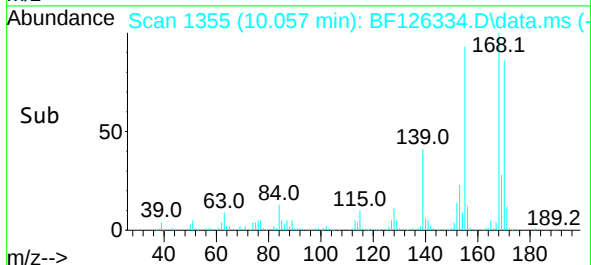
Reviewed By :Jagrut Upadhyay 12/23/2021
Supervised By :mohammad ahmed 12/29/2021

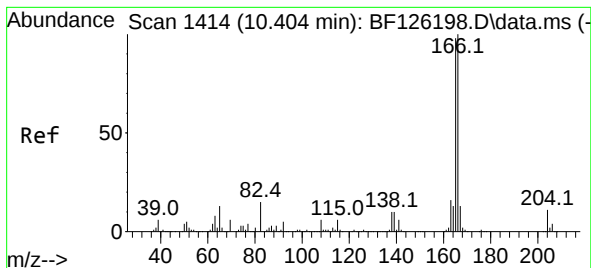


#55
Dibenzofuran
Concen: 4.250 ng
RT: 10.057 min Scan# 1355
Delta R.T. -0.006 min
Lab File: BF126334.D
Acq: 22 Dec 2021 17:49



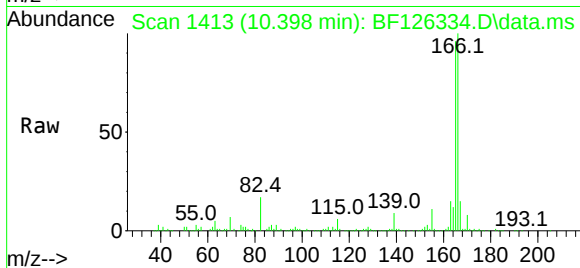
Tgt Ion:168 Resp: 68698
Ion Ratio Lower Upper
168 100
139 41.4 32.7 49.1
169 28.0 11.2 16.8#





#58
Fluorene
Concen: 16.848 ng
RT: 10.398 min Scan# 1414
Delta R.T. -0.006 min
Lab File: BF126334.D
Acq: 22 Dec 2021 17:49

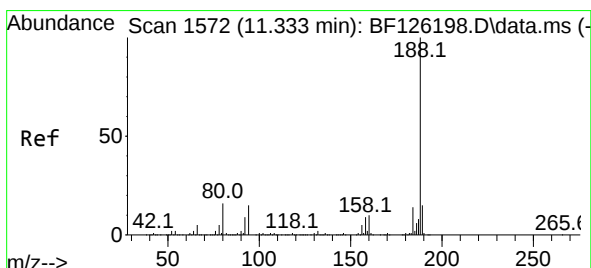
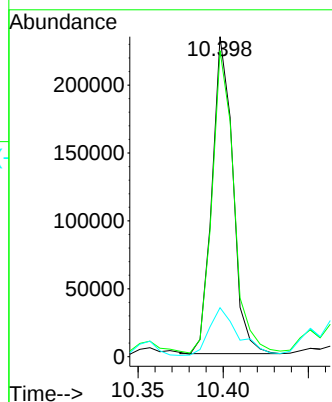
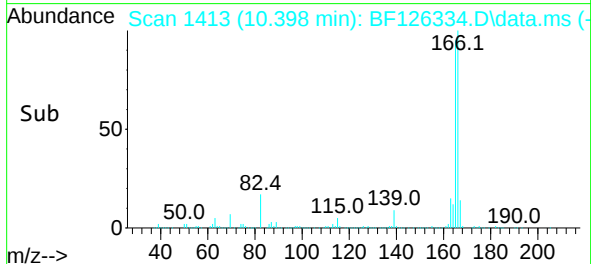
Instrument :
BNA_F
ClientSampleId :
SB-91SB-22-G2



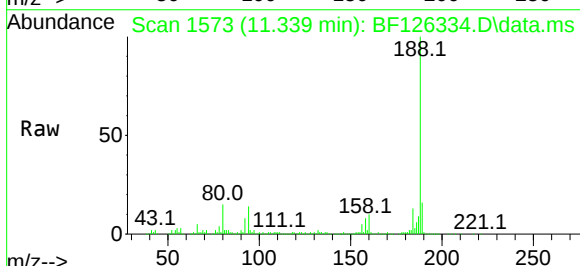
Tgt Ion:166 Resp: 19717
Ion Ratio Lower Upper
166 100
165 95.6 78.1 117.1
167 15.3 11.1 16.7

Manual Integrations
APPROVED

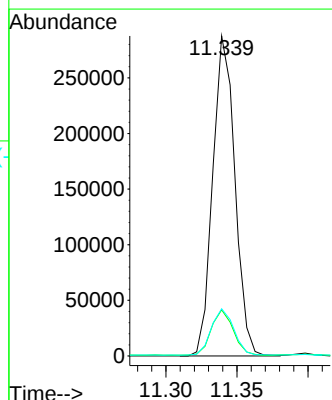
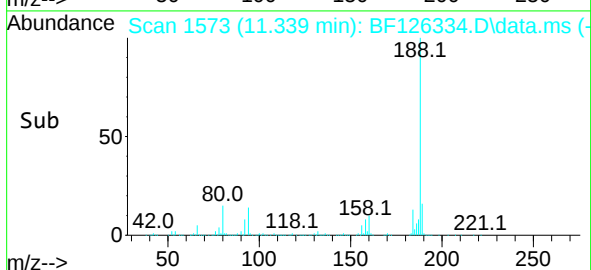
Reviewed By :Jagrut Upadhyay 12/23/2021
Supervised By :mohammad ahmed 12/29/2021

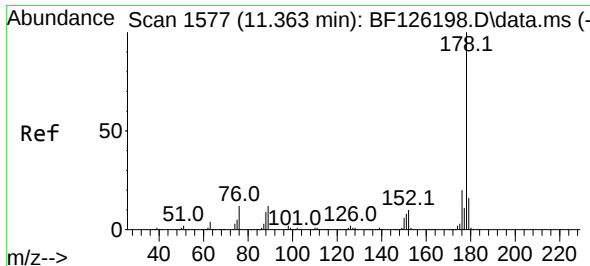


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.339 min Scan# 1573
Delta R.T. 0.000 min
Lab File: BF126334.D
Acq: 22 Dec 2021 17:49



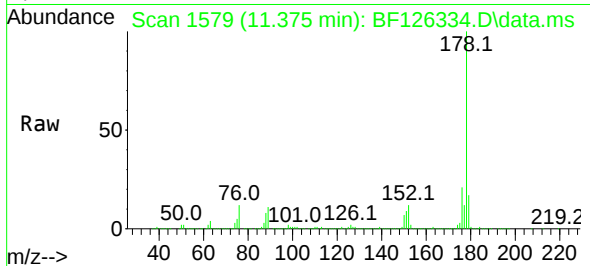
Tgt Ion:188 Resp: 311931
Ion Ratio Lower Upper
188 100
94 14.4 6.7 10.1#
80 14.7 7.5 11.3#





#71
Phenanthrene
Concen: 162.181 ng
RT: 11.375 min Scan# 1579
Delta R.T. 0.012 min
Lab File: BF126334.D
Acq: 22 Dec 2021 17:49

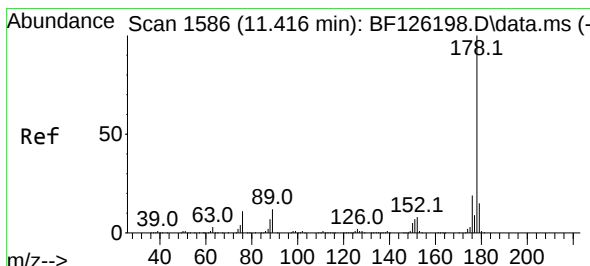
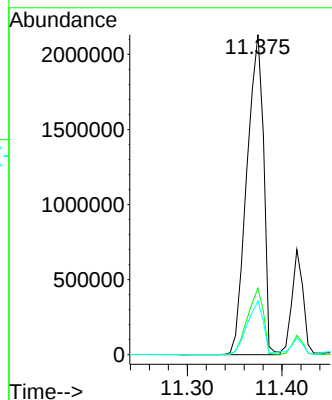
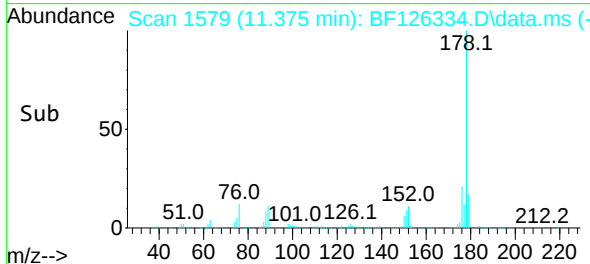
Instrument :
BNA_F
ClientSampleId :
SB-91SB-22-G2



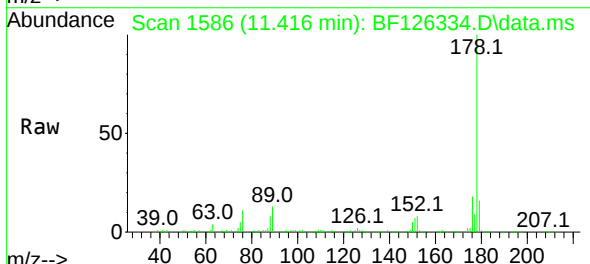
Tgt Ion:178 Resp: 2611069
Ion Ratio Lower Upper
178 100
176 20.8 14.7 22.1
179 16.7 11.5 17.3

Manual Integrations
APPROVED

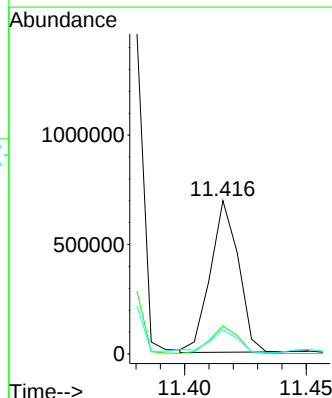
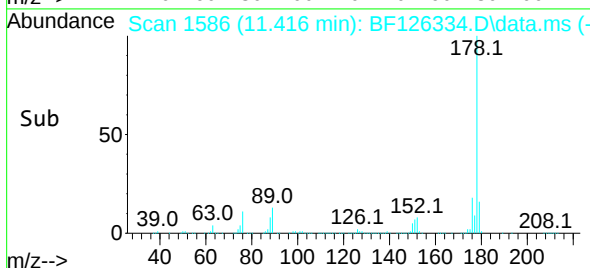
Reviewed By :Jagrut Upadhyay 12/23/2021
Supervised By :mohammad ahmed 12/29/2021

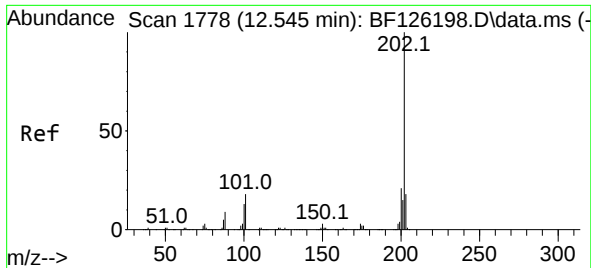


#72
Anthracene
Concen: 34.480 ng
RT: 11.416 min Scan# 1586
Delta R.T. 0.000 min
Lab File: BF126334.D
Acq: 22 Dec 2021 17:49



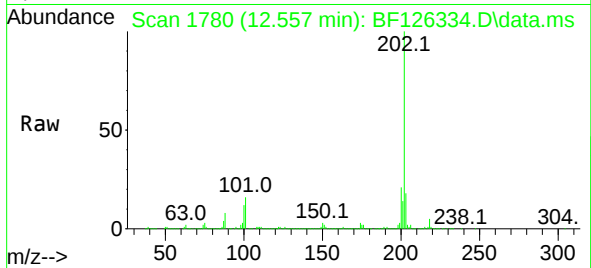
Tgt Ion:178 Resp: 557182
Ion Ratio Lower Upper
178 100
176 18.3 14.3 21.5
179 15.8 12.2 18.4





#75
Fluoranthene
Concen: 98.724 ng
RT: 12.557 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF126334.D
Acq: 22 Dec 2021 17:49

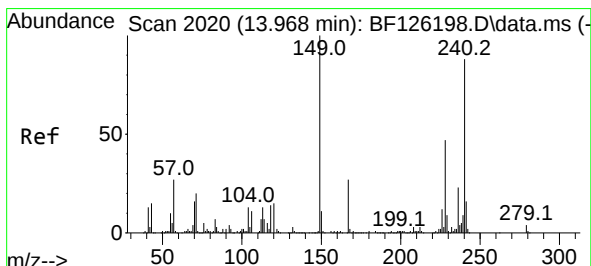
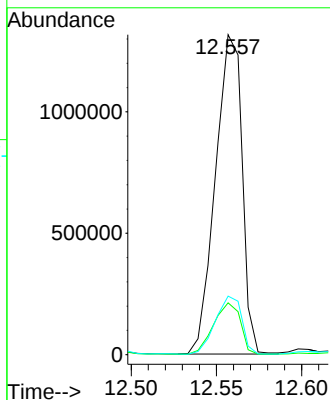
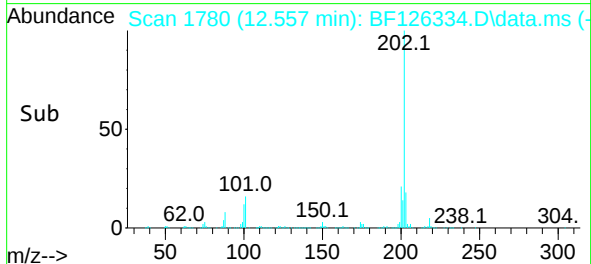
Instrument :
BNA_F
ClientSampleId :
SB-91SB-22-G2



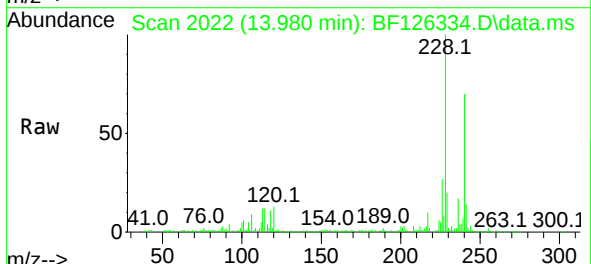
Tgt Ion:202 Resp: 143204
Ion Ratio Lower Upper
202 100
101 16.2 0.0 30.7
203 18.3 0.0 36.3

Manual Integrations
APPROVED

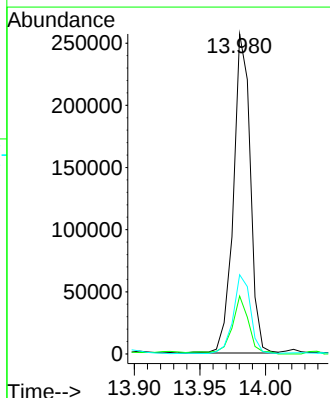
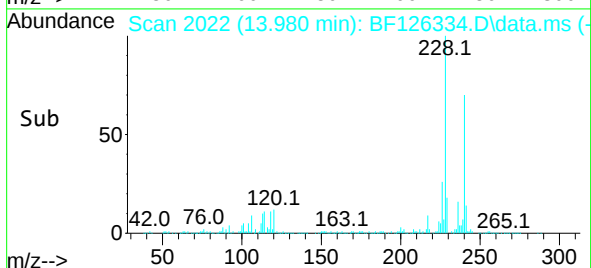
Reviewed By :Jagrut Upadhyay 12/23/2021
Supervised By :mohammad ahmed 12/29/2021

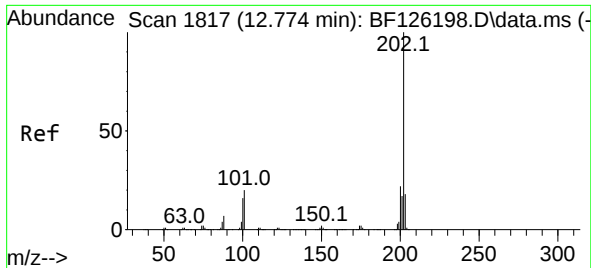


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.980 min Scan# 2022
Delta R.T. 0.000 min
Lab File: BF126334.D
Acq: 22 Dec 2021 17:49



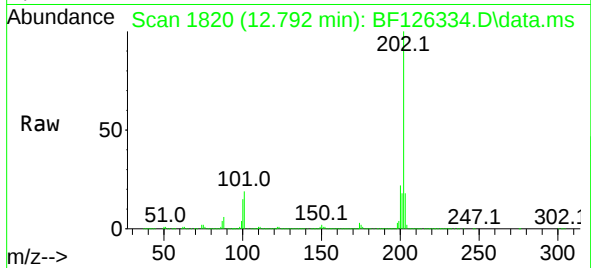
Tgt Ion:240 Resp: 229752
Ion Ratio Lower Upper
240 100
120 18.1 10.8 16.2#
236 24.8 21.6 32.4





#78
Pyrene
Concen: 100.944 ng
RT: 12.792 min Scan# 1820
Delta R.T. 0.012 min
Lab File: BF126334.D
Acq: 22 Dec 2021 17:49

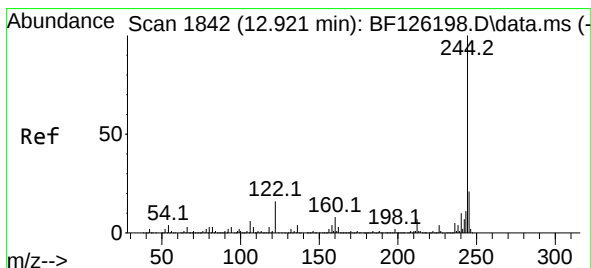
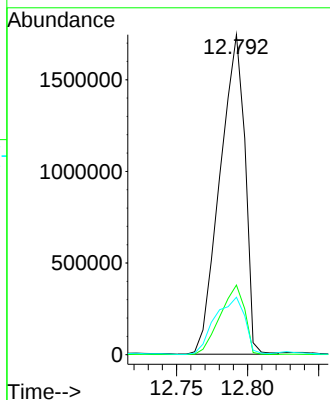
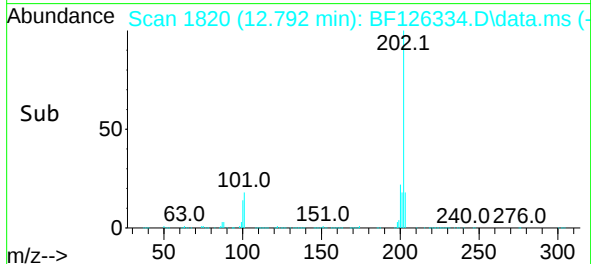
Instrument :
BNA_F
ClientSampleId :
SB-91SB-22-G2



Tgt Ion:202 Resp: 2130714
Ion Ratio Lower Upper
202 100
200 21.7 15.3 22.9
203 18.0 13.4 20.0

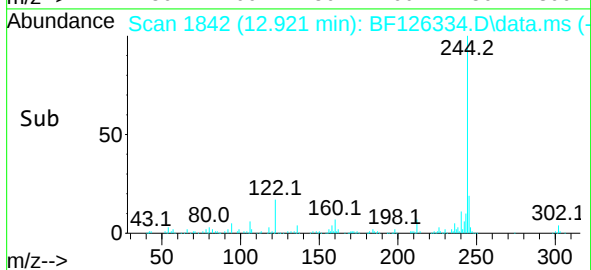
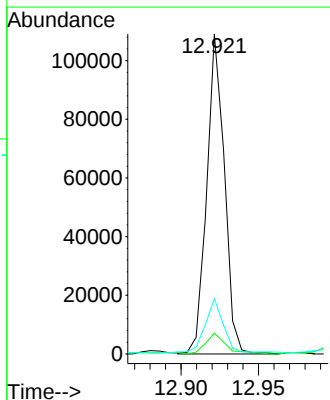
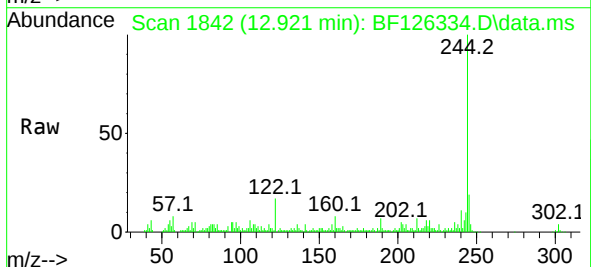
Manual Integrations
APPROVED

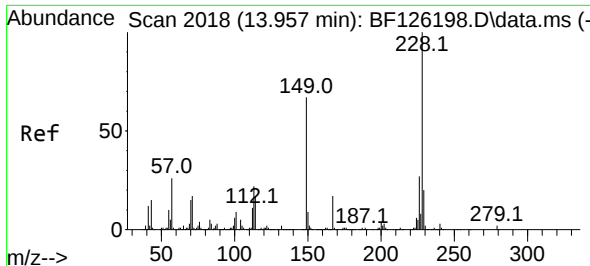
Reviewed By :Jagrut Upadhyay 12/23/2021
Supervised By :mohammad ahmed 12/29/2021



#79
Terphenyl-d14
Concen: 6.539 ng
RT: 12.921 min Scan# 1842
Delta R.T. -0.006 min
Lab File: BF126334.D
Acq: 22 Dec 2021 17:49

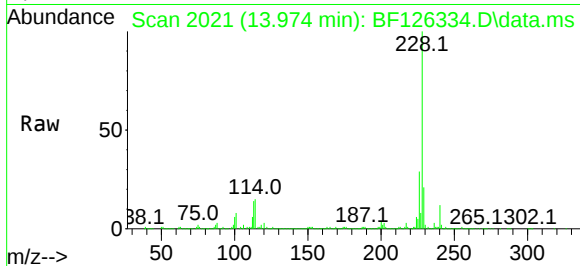
Tgt Ion:244 Resp: 86436
Ion Ratio Lower Upper
244 100
212 6.5 5.9 8.9
122 17.3 9.0 13.4#





#81
Benzo(a)anthracene
Concen: 67.753 ng
RT: 13.974 min Scan# 2018
Delta R.T. 0.006 min
Lab File: BF126334.D
Acq: 22 Dec 2021 17:49

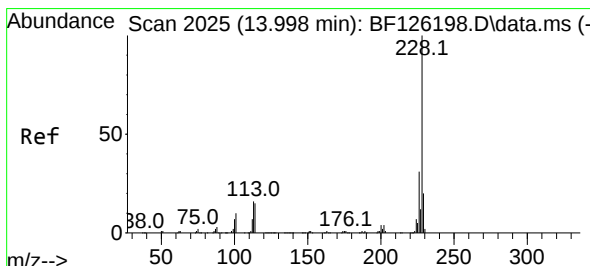
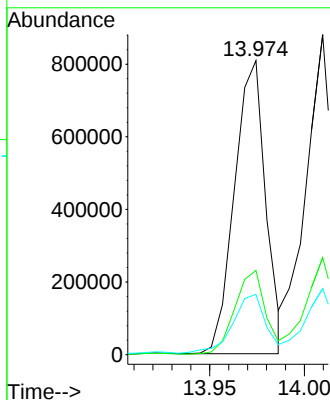
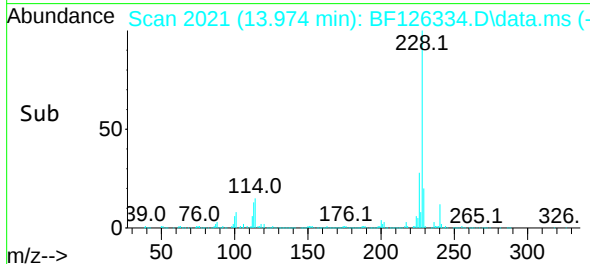
Instrument :
BNA_F
ClientSampleId :
SB-91SB-22-G2



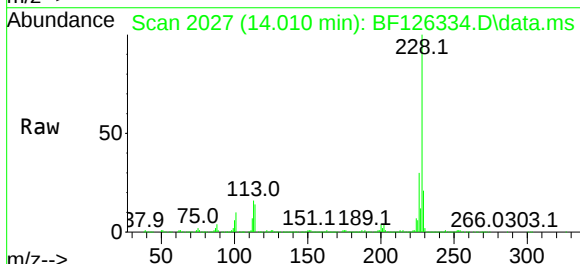
Tgt Ion:228 Resp: 922070
Ion Ratio Lower Upper
228 100
226 28.7 21.6 32.4
229 20.5 15.6 23.4

Manual Integrations
APPROVED

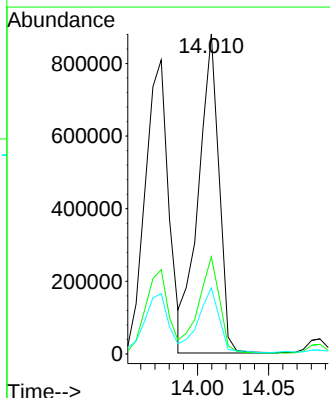
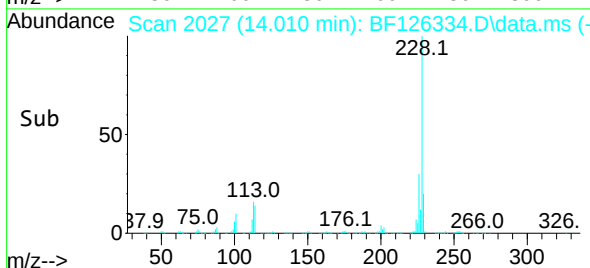
Reviewed By :Jagrut Upadhyay 12/23/2021
Supervised By :mohammad ahmed 12/29/2021

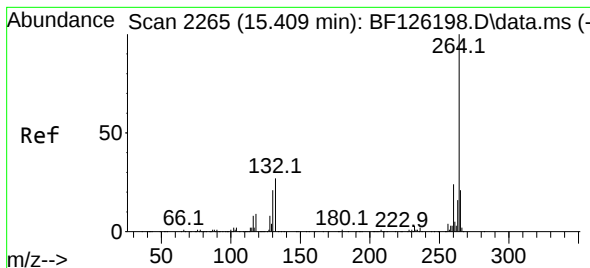


#83
Chrysene
Concen: 62.565 ng
RT: 14.010 min Scan# 2027
Delta R.T. 0.006 min
Lab File: BF126334.D
Acq: 22 Dec 2021 17:49



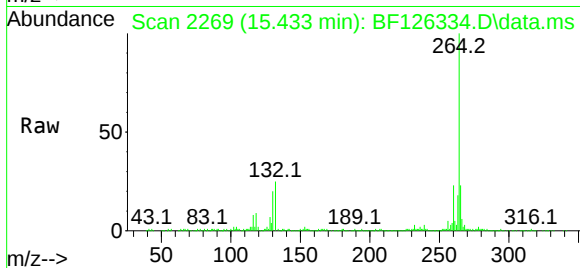
Tgt Ion:228 Resp: 884665
Ion Ratio Lower Upper
228 100
226 30.3 22.6 34.0
229 20.7 15.9 23.9





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.433 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: BF126334.D
 Acq: 22 Dec 2021 17:49

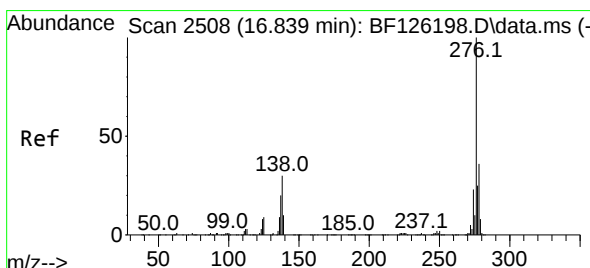
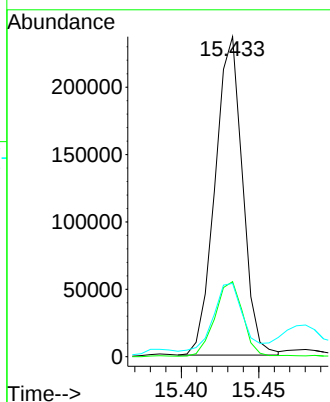
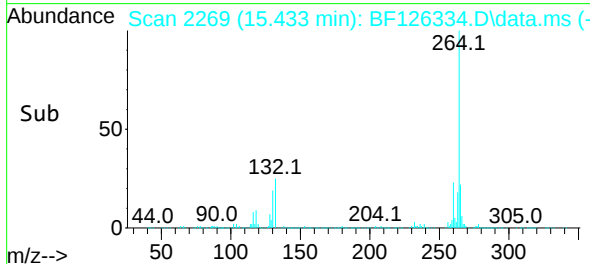
Instrument :
 BNA_F
 ClientSampleId :
 SB-91SB-22-G2



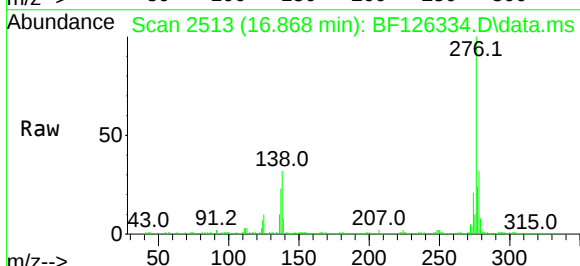
Tgt Ion:264 Resp: 291272
 Ion Ratio Lower Upper
 264 100
 260 23.4 19.6 29.4
 265 22.9 17.2 25.8

Manual Integrations
 APPROVED

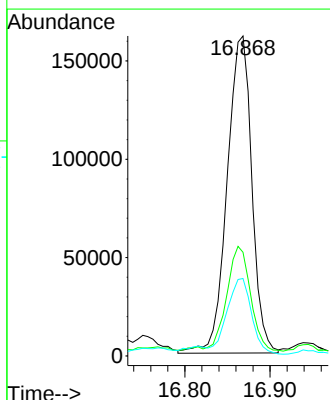
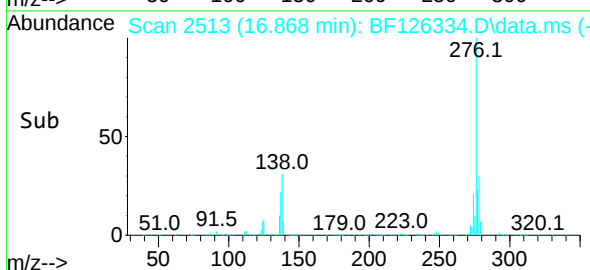
Reviewed By :Jagrut Upadhyay 12/23/2021
 Supervised By :mohammad ahmed 12/29/2021

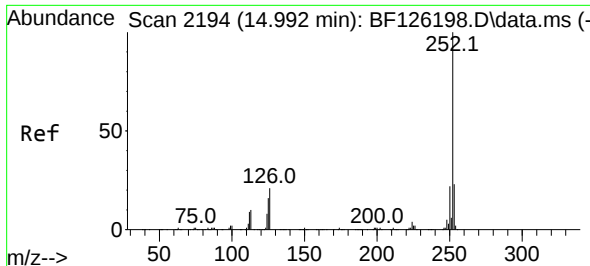


#87
 Indeno(1,2,3-cd)pyrene
 Concen: 16.722 ng
 RT: 16.868 min Scan# 2513
 Delta R.T. 0.006 min
 Lab File: BF126334.D
 Acq: 22 Dec 2021 17:49



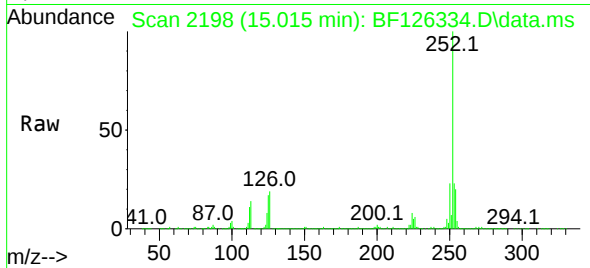
Tgt Ion:276 Resp: 324886
 Ion Ratio Lower Upper
 276 100
 138 33.7 24.1 36.1
 277 23.7 18.8 28.2





#88
Benzo(b)fluoranthene
Concen: 46.347 ng m
RT: 15.015 min Scan# 2194
Delta R.T. 0.012 min
Lab File: BF126334.D
Acq: 22 Dec 2021 17:49

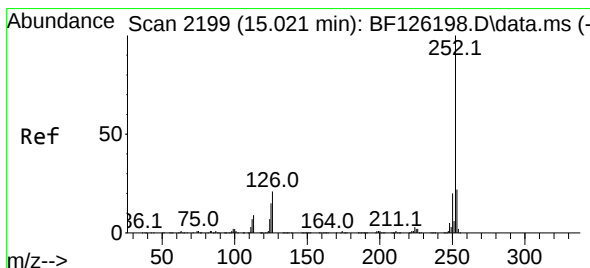
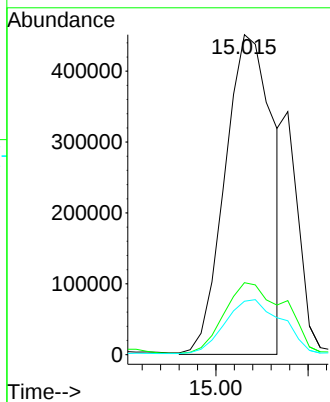
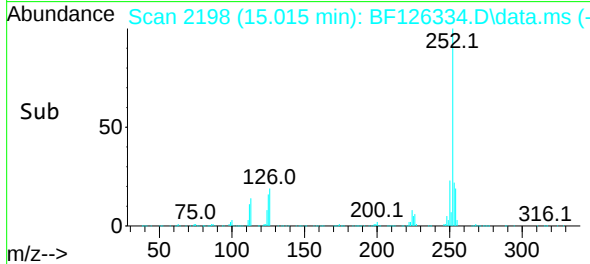
Instrument :
BNA_F
ClientSampleId :
SB-91SB-22-G2



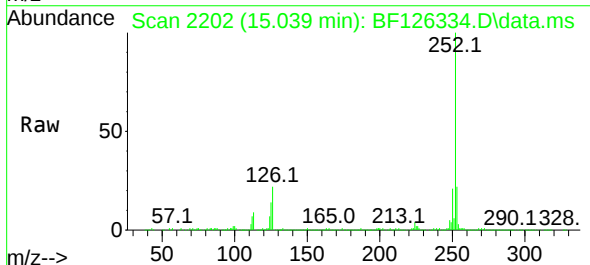
Tgt Ion:252 Resp: 81113
Ion Ratio Lower Upper
252 100
253 22.5 16.8 25.2
125 16.7 9.8 14.8

Manual Integrations
APPROVED

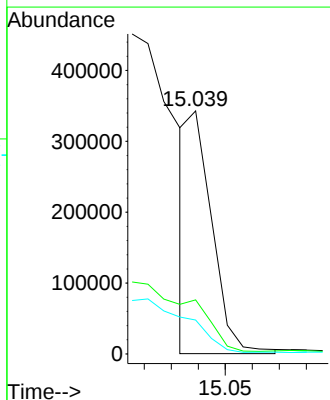
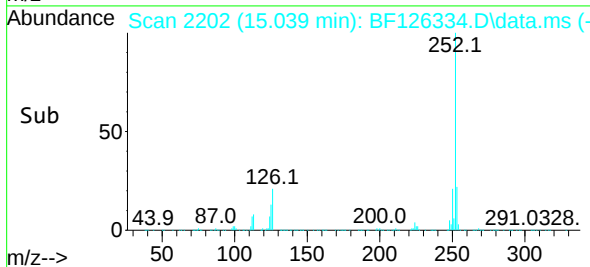
Reviewed By :Jagrut Upadhyay 12/23/2021
Supervised By :mohammad ahmed 12/29/2021

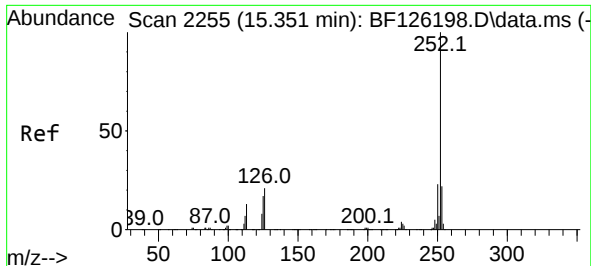


#89
Benzo(k)fluoranthene
Concen: 12.542 ng m
RT: 15.039 min Scan# 2202
Delta R.T. 0.006 min
Lab File: BF126334.D
Acq: 22 Dec 2021 17:49



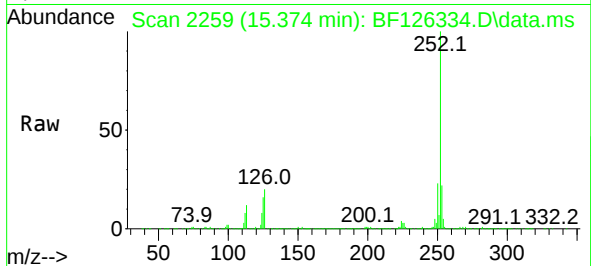
Tgt Ion:252 Resp: 209986
Ion Ratio Lower Upper
252 100
253 22.3 17.8 26.8
125 14.0 7.2 10.8





#90
Benzo(a)pyrene
Concen: 46.056 ng
RT: 15.374 min Scan# 21
Delta R.T. 0.012 min
Lab File: BF126334.D
Acq: 22 Dec 2021 17:49

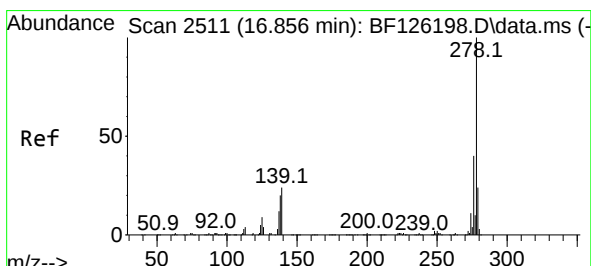
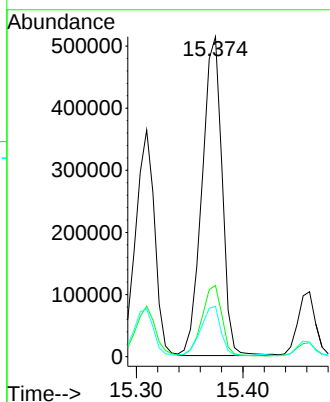
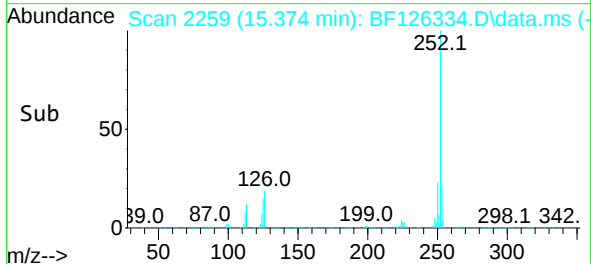
Instrument :
BNA_F
ClientSampleId :
SB-91SB-22-G2



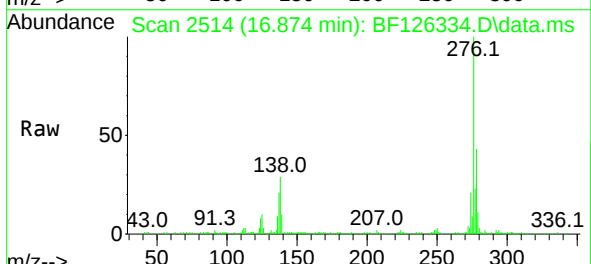
Tgt Ion:252 Resp: 669918
Ion Ratio Lower Upper
252 100
253 22.3 18.4 27.6
125 15.8 9.9 14.9

Manual Integrations
APPROVED

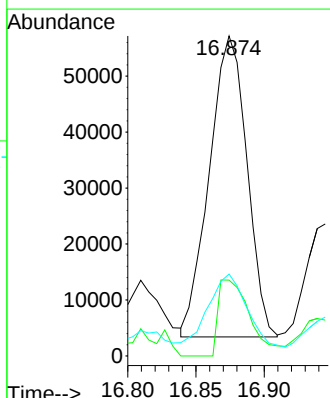
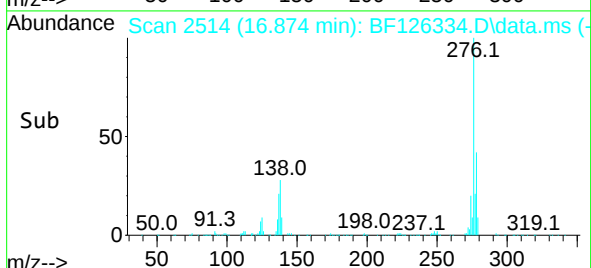
Reviewed By :Jagrut Upadhyay 12/23/2021
Supervised By :mohammad ahmed 12/29/2021

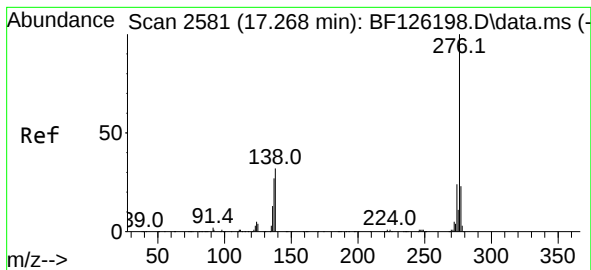


#91
Dibenzo(a,h)anthracene
Concen: 6.528 ng m
RT: 16.874 min Scan# 2514
Delta R.T. -0.006 min
Lab File: BF126334.D
Acq: 22 Dec 2021 17:49



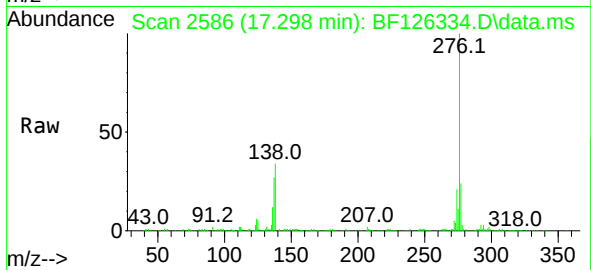
Tgt Ion:278 Resp: 103101
Ion Ratio Lower Upper
278 100
139 23.7 14.9 22.3#
279 25.6 19.7 29.5





#92
 Benzo(g,h,i)perylene
 Concen: 18.275 ng
 RT: 17.298 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: BF126334.D
 Acq: 22 Dec 2021 17:49

Instrument :
 BNA_F
 ClientSampleId :
 SB-91SB-22-G2



Tgt Ion:276 Resp: 298610
 Ion Ratio Lower Upper
 276 100
 277 24.3 22.0 33.0
 138 33.9 22.2 33.4

Manual Integrations
 APPROVED

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

