

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122121\
 Data File : BF126320.D
 Acq On : 22 Dec 2021 3:31
 Operator : JU/CG
 Sample : M5178-01 5X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CL-02-122021

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 12/22/2021
 Supervised By :mohammad ahmed 12/27/2021

Quant Time: Dec 22 05:25:00 2021
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121521.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Dec 16 12:22:48 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.816	152	197012	20.000	ng	0.00
21) Naphthalene-d8	8.098	136	831293	20.000	ng	# 0.00
39) Acenaphthene-d10	9.851	164	376925	20.000	ng	0.00
64) Phenanthrene-d10	11.339	188	538247	20.000	ng	# 0.00
76) Chrysene-d12	13.974	240	284156	20.000	ng	# 0.00
86) Perylene-d12	15.427	264	293692	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.422	112	284256	21.248	ng	0.00
7) Phenol-d6	6.434	99	358854	21.126	ng	-0.01
23) Nitrobenzene-d5	7.375	82	222361	14.487	ng	0.00
42) 2,4,6-Tribromophenol	10.639	330	53771	17.751	ng	0.00
45) 2-Fluorobiphenyl	9.175	172	342306	15.928	ng	0.00
79) Terphenyl-d14	12.921	244	217920	13.330	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.122	128	96635	2.486	ng	97
37) 2-Methylnaphthalene	8.810	142	105778	4.418	ng	95
38) 1-Methylnaphthalene	8.910	142	96827	4.167	ng	95
52) Acenaphthene	9.886	154	85833	4.131	ng	99
58) Fluorene	10.398	166	116368	5.682	ng	99
71) Phenanthrene	11.363	178	654321	23.553	ng	99
72) Anthracene	11.410	178	186402	6.685	ng	99
75) Fluoranthene	12.551	202	545689	21.802	ng	93
78) Pyrene	12.780	202	491585	18.830	ng	98
81) Benzo(a)anthracene	13.962	228	192921	11.462	ng	96
83) Chrysene	13.998	228	165406	9.458	ng	95
87) Indeno(1,2,3-cd)pyrene	16.850	276	93712	4.784	ng	96
88) Benzo(b)fluoranthene	15.004	252	219972m	12.465	ng	
89) Benzo(k)fluoranthene	15.027	252	76524m	4.533	ng	
90) Benzo(a)pyrene	15.362	252	166249	11.335	ng	# 94
92) Benzo(g,h,i)perylene	17.280	276	86779	5.267	ng	96

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

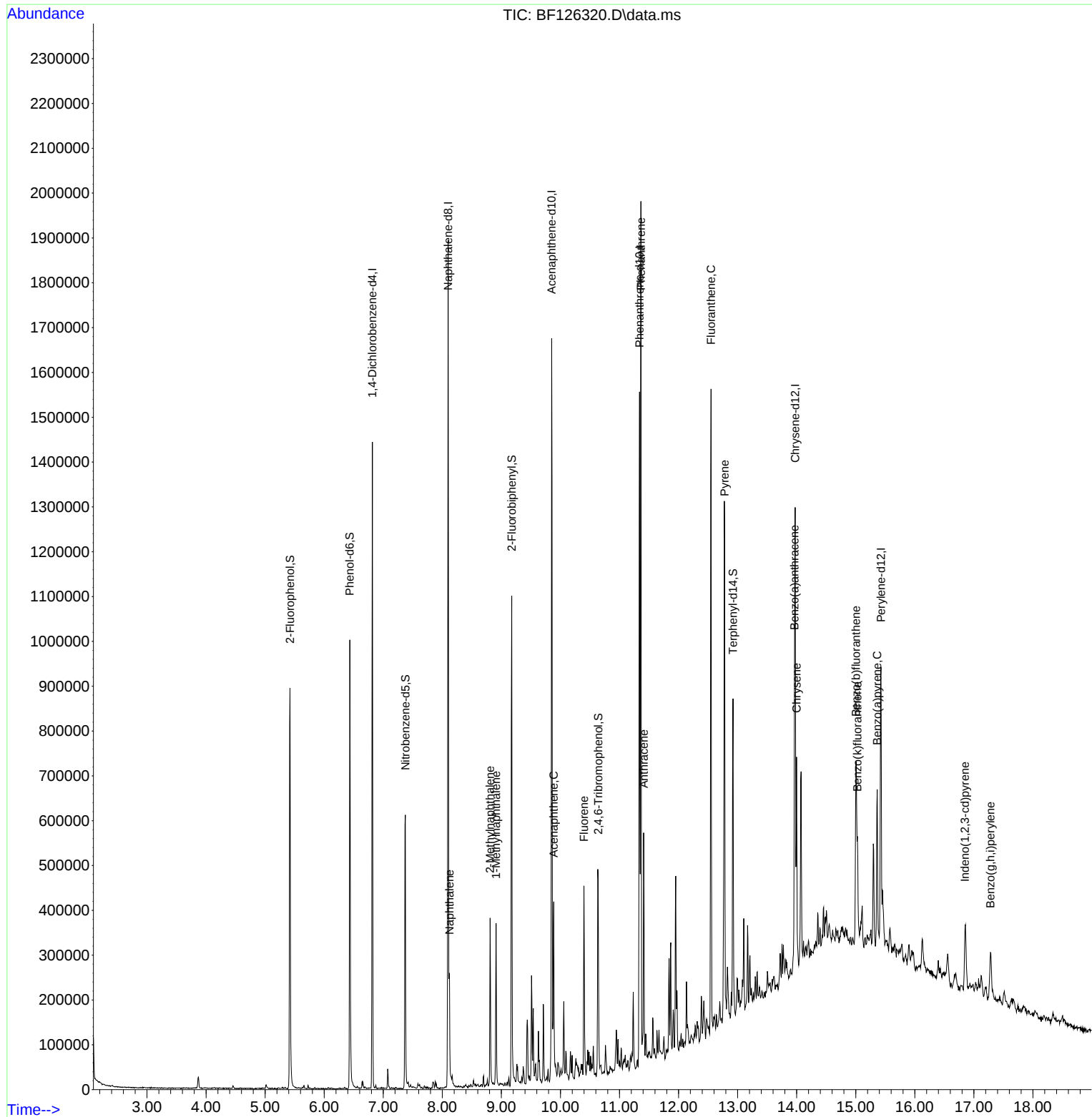
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122121\
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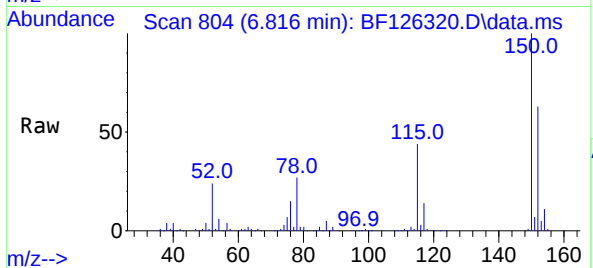
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.816 min Scan# 804
Delta R.T. -0.000 min
Lab File: BF126320.D
Acq: 22 Dec 2021 3:31

Instrument :

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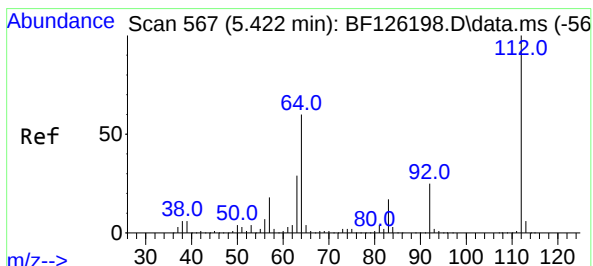
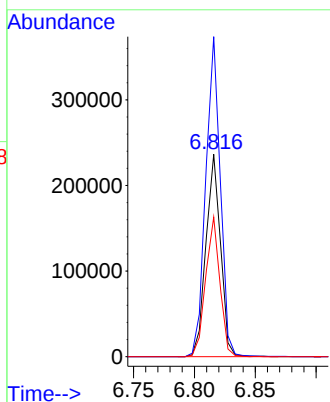
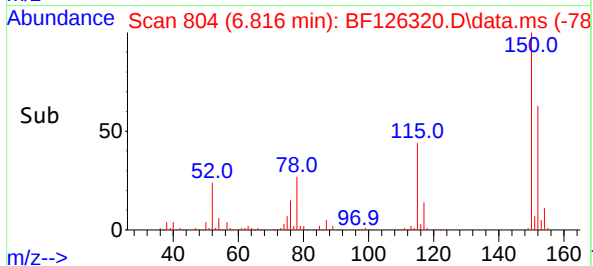


Tgt Ion:152 Resp: 197012
Ion Ratio Lower Upper
152 100
150 158.1 117.6 176.4
115 68.9 47.1 70.7

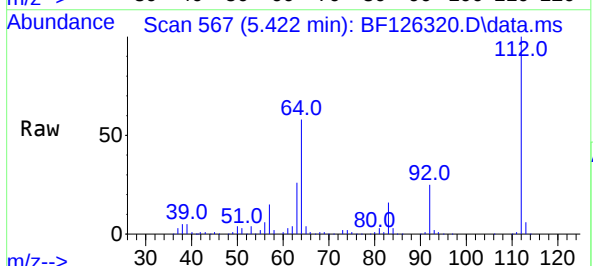
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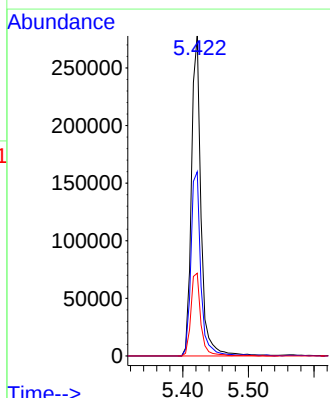
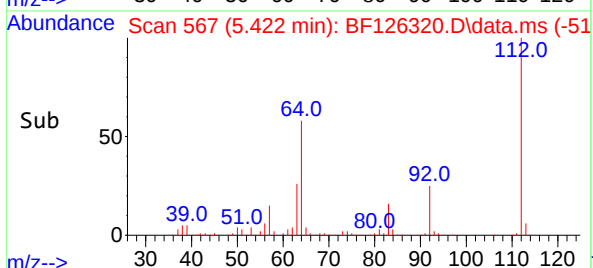
Reviewed By :Jagrut Upadhyay 12/22/2021
Supervised By :mohammad ahmed 12/27/2021

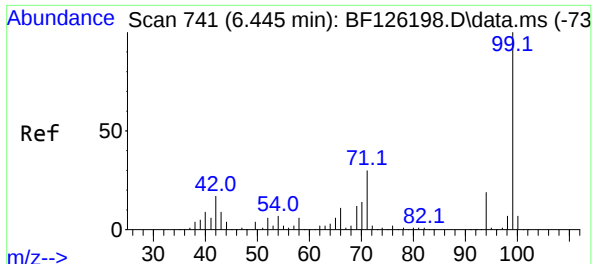


#5
2-Fluorophenol
Concen: 21.248 ng
RT: 5.422 min Scan# 567
Delta R.T. 0.000 min
Lab File: BF126320.D
Acq: 22 Dec 2021 3:31



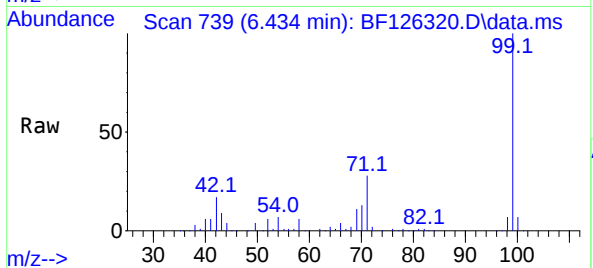
Tgt Ion:112 Resp: 284256
Ion Ratio Lower Upper
112 100
64 57.5 44.2 66.2
63 25.8 26.2 39.2#





#7
Phenol-d6
Concen: 21.126 ng
RT: 6.434 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF126320.D
Acq: 22 Dec 2021 3:31

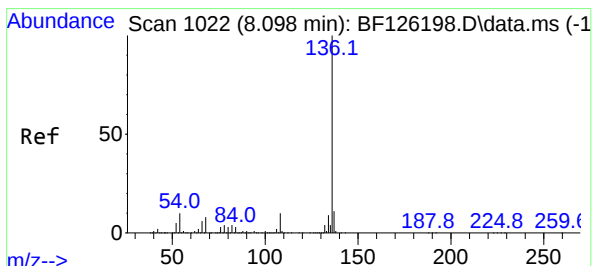
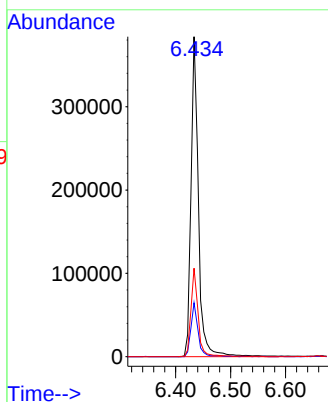
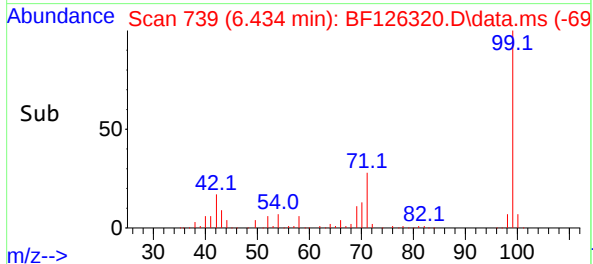
Instrument :
BNA_F
ClientSampleId :
CL-02-122021



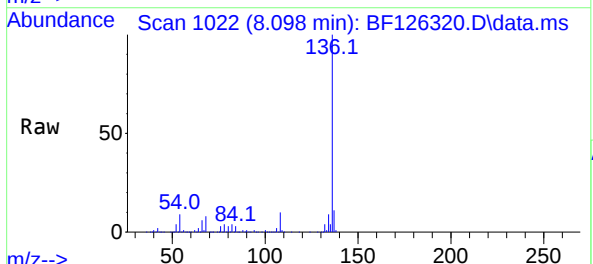
Tgt Ion: 99 Resp: 358854
Ion Ratio Lower Upper
99 100
42 16.8 23.5 35.3
71 27.7 25.6 38.4

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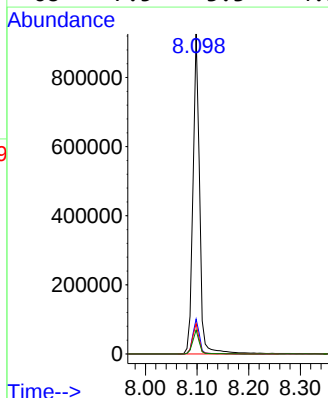
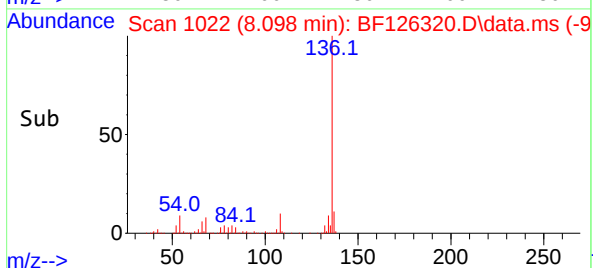
Reviewed By :Jagrut Upadhyay 12/22/2021
Supervised By :mohammad ahmed 12/27/2021

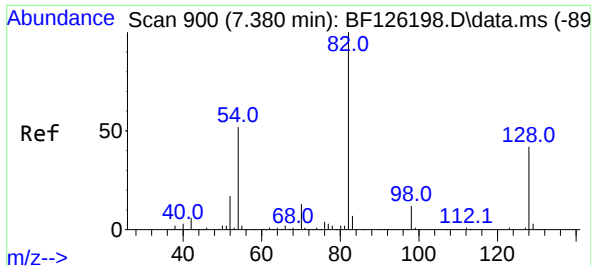


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.098 min Scan# 1022
Delta R.T. 0.000 min
Lab File: BF126320.D
Acq: 22 Dec 2021 3:31



Tgt Ion:136 Resp: 831293
Ion Ratio Lower Upper
136 100
137 10.9 9.8 14.6
54 9.5 6.4 9.6
68 7.5 3.3 4.9





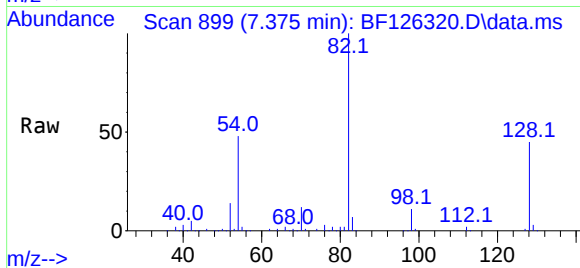
#23
Nitrobenzene-d5
Concen: 14.487 ng
RT: 7.375 min Scan# 899
Delta R.T. -0.006 min
Lab File: BF126320.D
Acq: 22 Dec 2021 3:31

Instrument :

BNA_F

ClientSampleId :

CL-02-122021

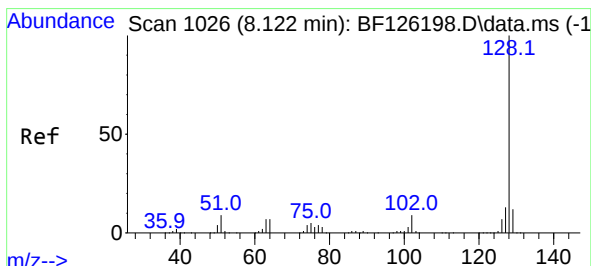
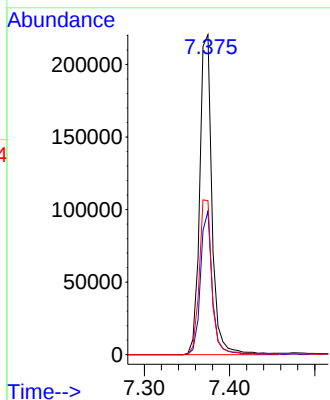
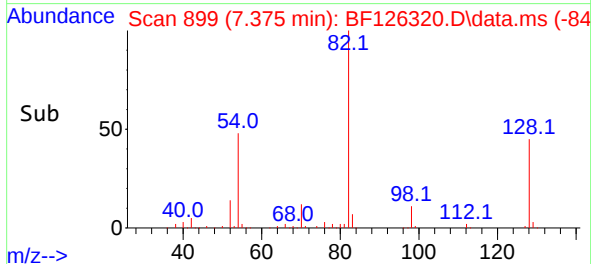


Tgt Ion: 82 Resp: 22236
Ion Ratio Lower Upper
82 100
128 44.8 40.6 60.8
54 48.1 49.6 74.4

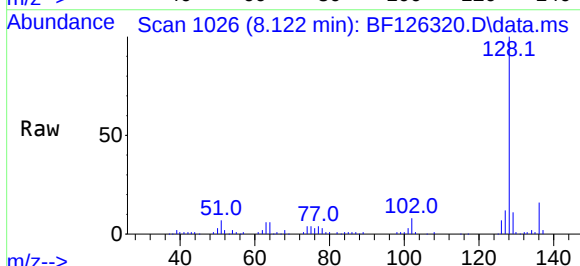
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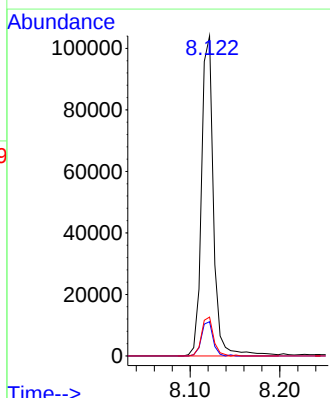
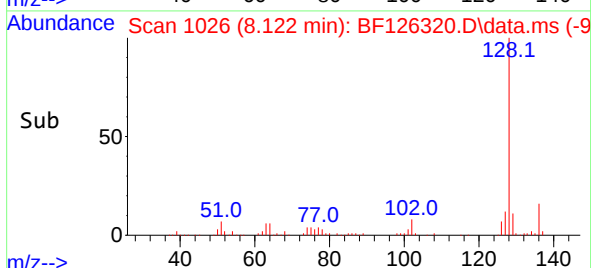
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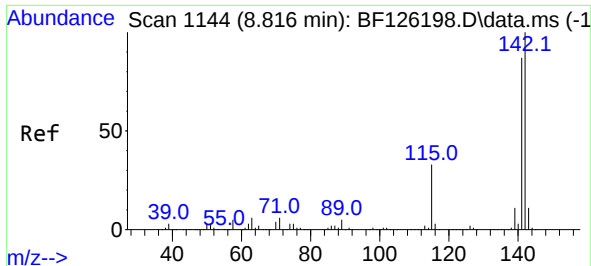


#31
Naphthalene
Concen: 2.486 ng
RT: 8.122 min Scan# 1026
Delta R.T. 0.000 min
Lab File: BF126320.D
Acq: 22 Dec 2021 3:31



Tgt Ion:128 Resp: 96635
Ion Ratio Lower Upper
128 100
129 10.7 9.4 14.0
127 12.1 10.9 16.3





#37

2-Methylnaphthalene

Concen: 4.418 ng

RT: 8.810 min Scan# 1144

Delta R.T. -0.006 min

Lab File: BF126320.D

Acq: 22 Dec 2021 3:31

Instrument :

BNA_F

ClientSampleId :

CL-02-122021

Tgt Ion:142 Resp: 105778

Ion Ratio Lower Upper

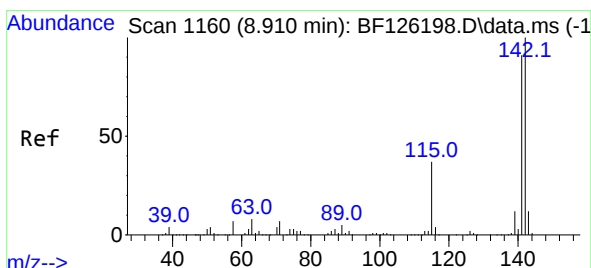
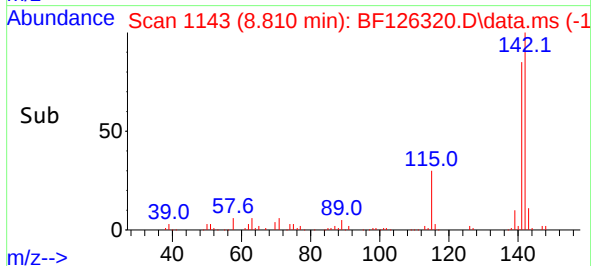
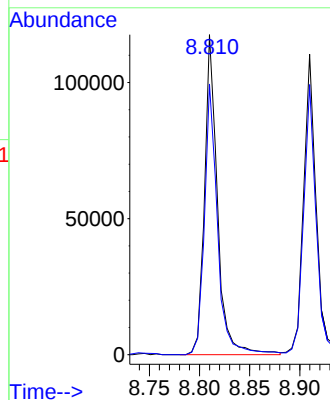
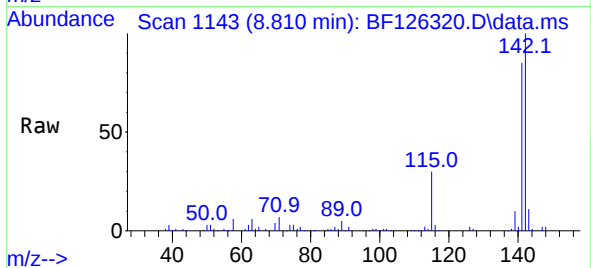
142 100

141 84.6 71.2 106.8

Manual Integrations

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#38

1-Methylnaphthalene

Concen: 4.167 ng

RT: 8.910 min Scan# 1160

Delta R.T. 0.000 min

Lab File: BF126320.D

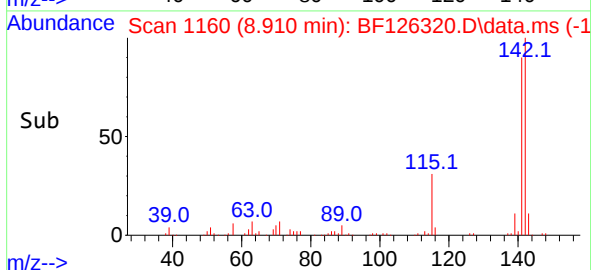
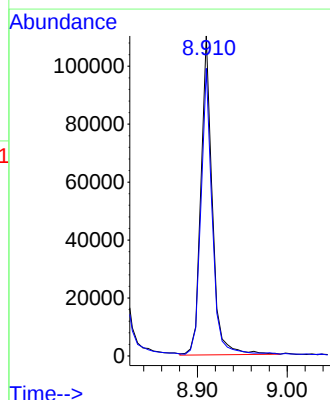
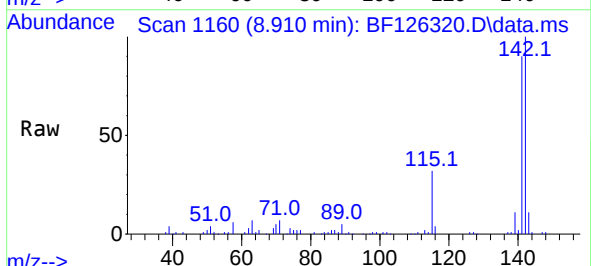
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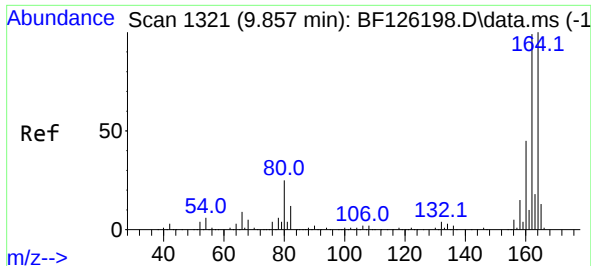
Tgt Ion:142 Resp: 96827

Ion Ratio Lower Upper

142 100

141 89.8 76.0 114.0





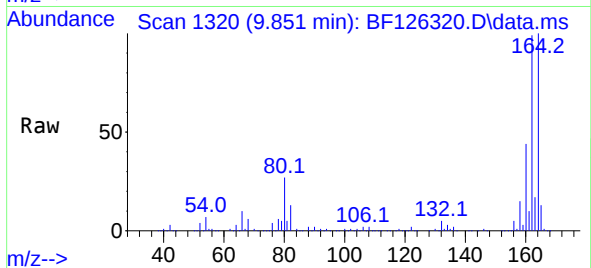
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.851 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF126320.D
Acq: 22 Dec 2021 3:31

Instrument :

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CL-02-122021

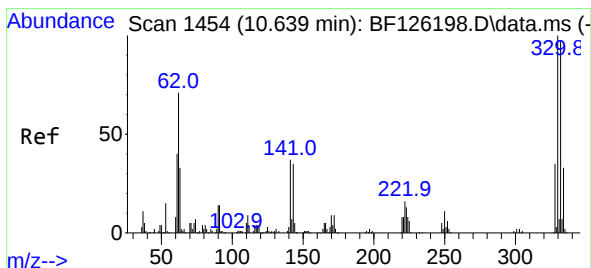
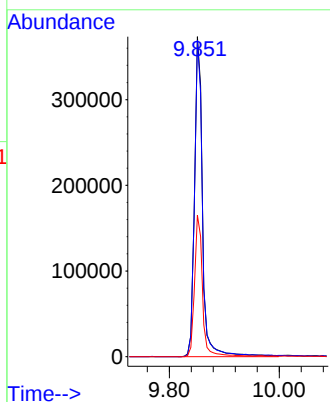
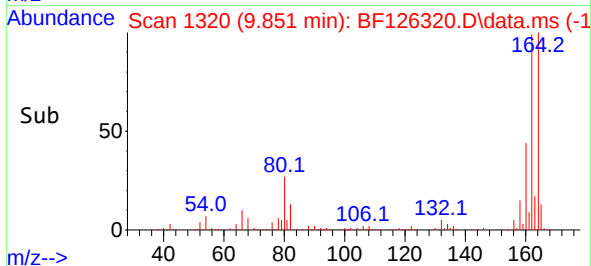


Tgt Ion:164 Resp: 37692
Ion Ratio Lower Upper
164 100
162 98.9 81.3 121.9
160 44.3 38.0 57.0

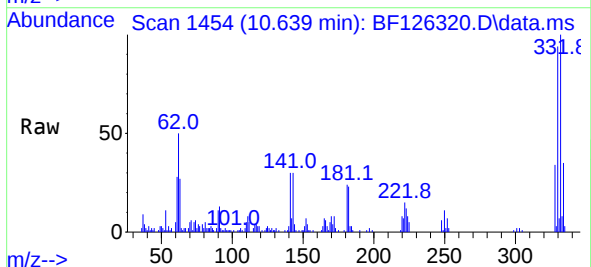
Manual Integrations

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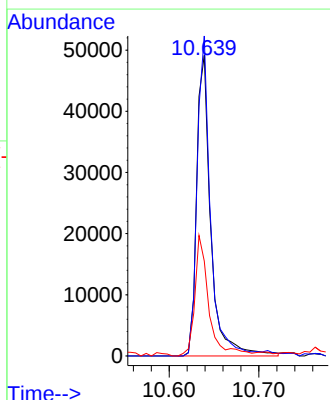
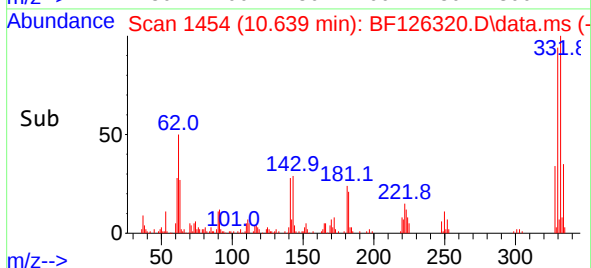
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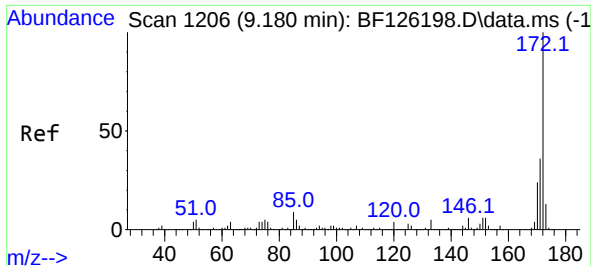


#42
2,4,6-Tribromophenol
Concen: 17.751 ng
RT: 10.639 min Scan# 1454
Delta R.T. 0.000 min
Lab File: BF126320.D
Acq: 22 Dec 2021 3:31



Tgt Ion:330 Resp: 53771
Ion Ratio Lower Upper
330 100
332 99.4 76.2 114.4
141 39.6 44.6 66.8#





#45

2-Fluorobiphenyl

Concen: 15.928 ng

RT: 9.175 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF126320.D

Acq: 22 Dec 2021 3:31

Instrument :

BNA_F

ClientSampleId :

CL-02-122021

Tgt Ion:172 Resp: 342300

Ion Ratio Lower Upper

172 100

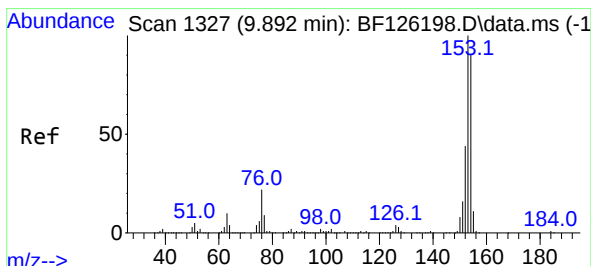
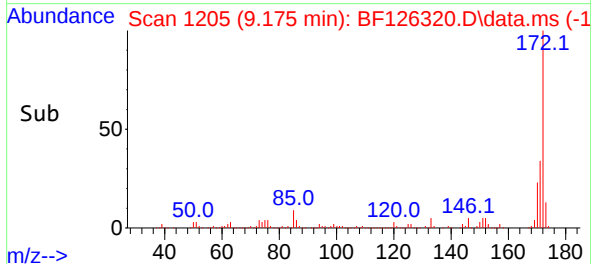
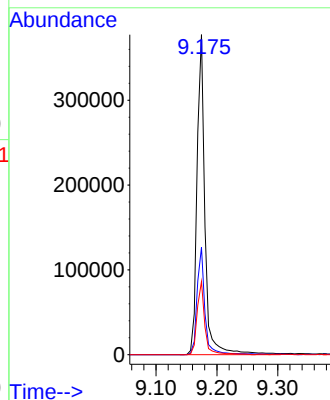
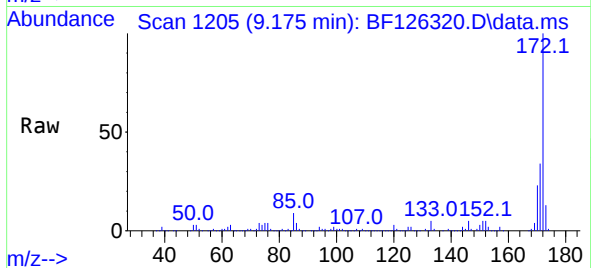
171 33.6 26.5 39.7

170 22.9 18.8 28.2

Manual Integrations

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#52

Acenaphthene

Concen: 4.131 ng

RT: 9.886 min Scan# 1326

Delta R.T. -0.006 min

Lab File: BF126320.D

Acq: 22 Dec 2021 3:31

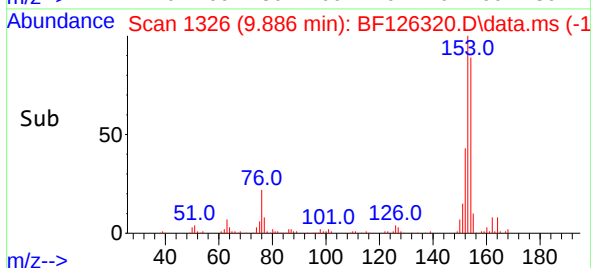
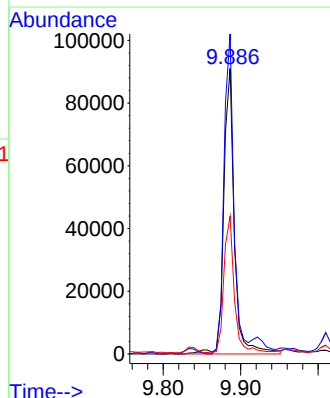
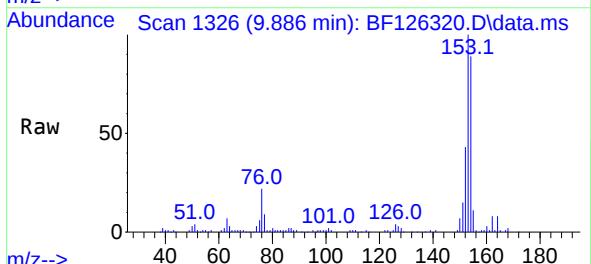
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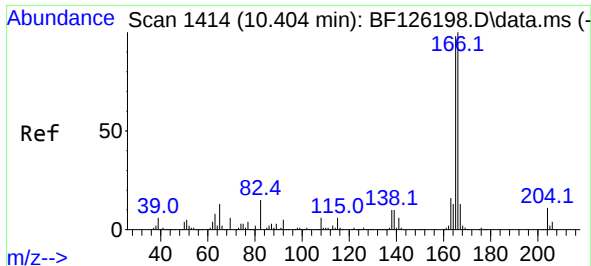
Ion Ratio Lower Upper

154 100

153 112.1 89.4 134.2

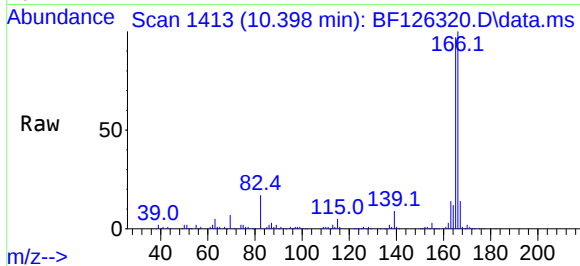
152 48.3 40.5 60.7





#58
Fluorene
Concen: 5.682 ng
RT: 10.398 min Scan# 1414
Delta R.T. -0.006 min
Lab File: BF126320.D
Acq: 22 Dec 2021 3:31

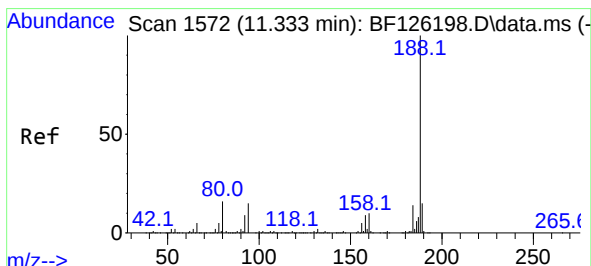
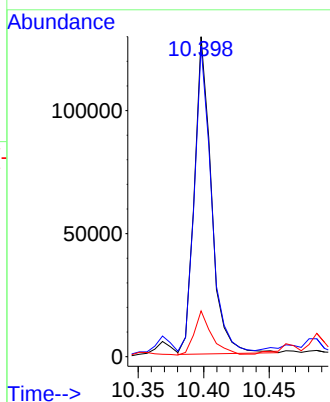
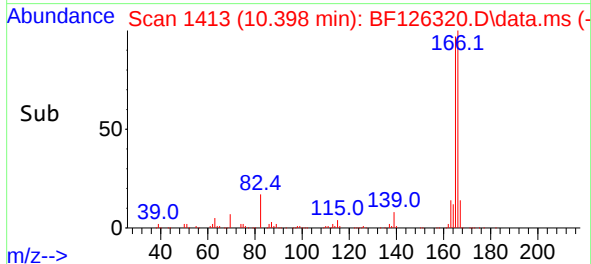
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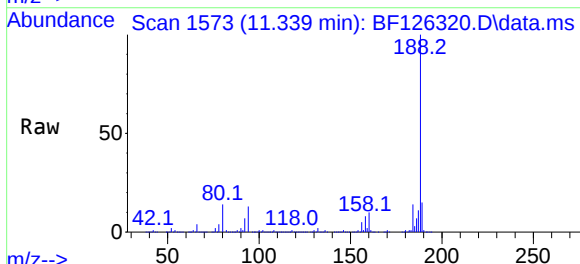
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Ion Ratio Lower Upper
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165 97.1 78.1 117.1
167 14.3 11.1 16.7

Manual Integrations
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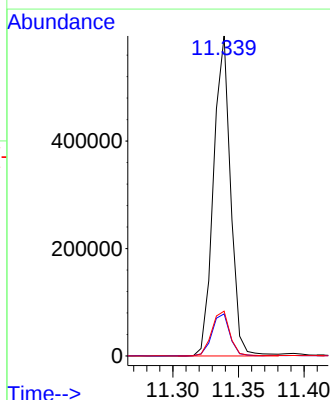
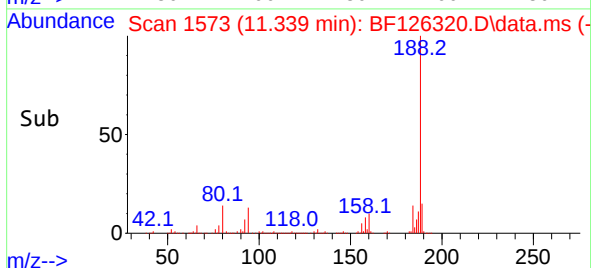
Reviewed By :Jagrut Upadhyay 12/22/2021
Supervised By :mohammad ahmed 12/27/2021

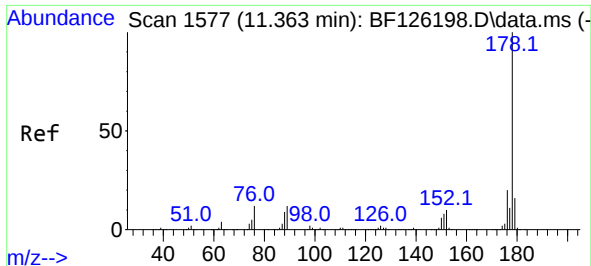


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.339 min Scan# 1573
Delta R.T. 0.006 min
Lab File: BF126320.D
Acq: 22 Dec 2021 3:31



Tgt Ion:188 Resp: 538247
Ion Ratio Lower Upper
188 100
94 13.2 6.7 10.1#
80 14.0 7.5 11.3#





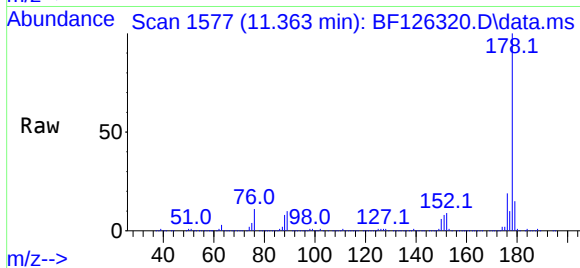
#71
Phenanthrene
Concen: 23.553 ng
RT: 11.363 min Scan# 1577
Delta R.T. 0.000 min
Lab File: BF126320.D
Acq: 22 Dec 2021 3:31

Instrument :

BNA_F

ClientSampleId :

CL-02-122021

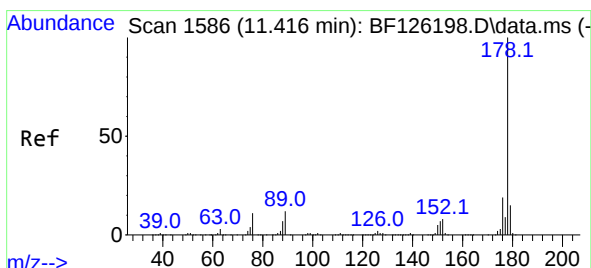
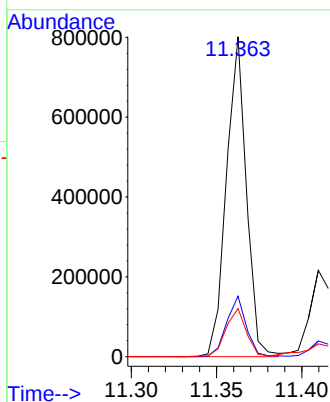
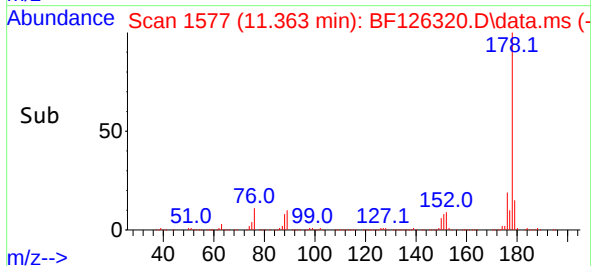


Tgt Ion:178 Resp: 65432
Ion Ratio Lower Upper
178 100
176 18.9 14.7 22.1
179 15.0 11.5 17.3

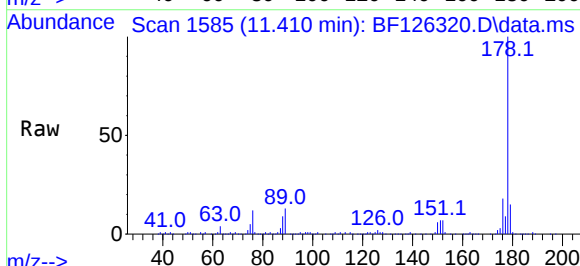
Manual Integrations

APPROVED

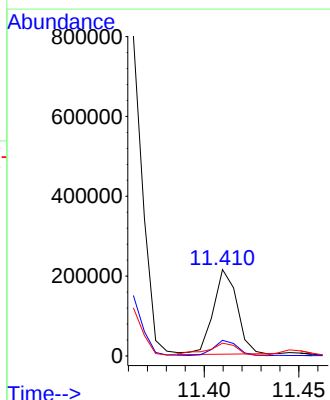
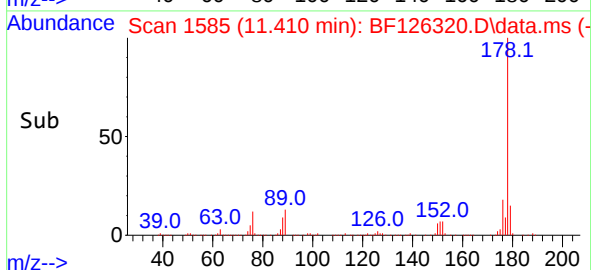
Reviewed By :Jagrut Upadhyay 12/22/2021
Supervised By :mohammad ahmed 12/27/2021

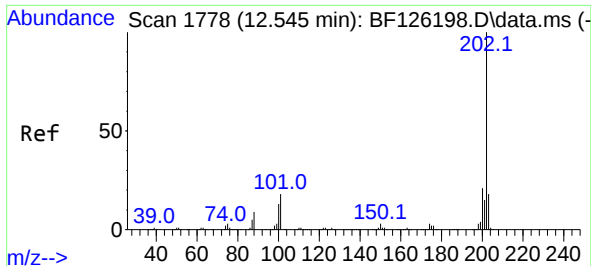


#72
Anthracene
Concen: 6.685 ng
RT: 11.410 min Scan# 1585
Delta R.T. -0.006 min
Lab File: BF126320.D
Acq: 22 Dec 2021 3:31



Tgt Ion:178 Resp: 186402
Ion Ratio Lower Upper
178 100
176 18.2 14.3 21.5
179 14.8 12.2 18.4





#75
Fluoranthene
Concen: 21.802 ng
RT: 12.551 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF126320.D
Acq: 22 Dec 2021 3:31

Instrument :

BNA_F

ClientSampleId :

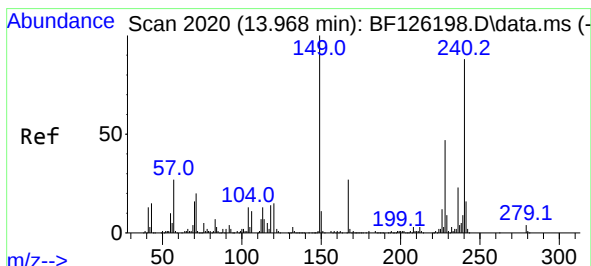
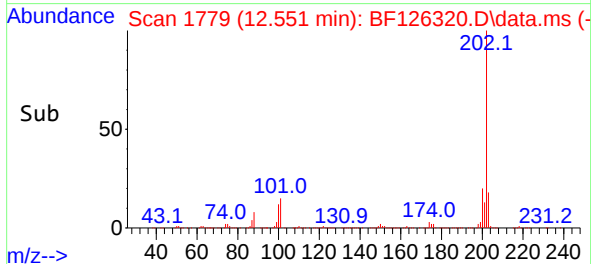
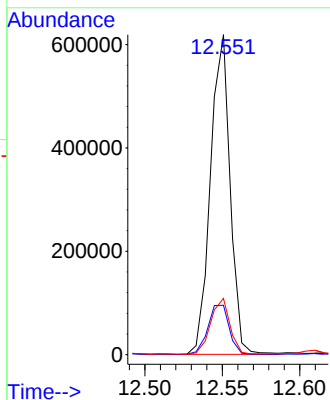
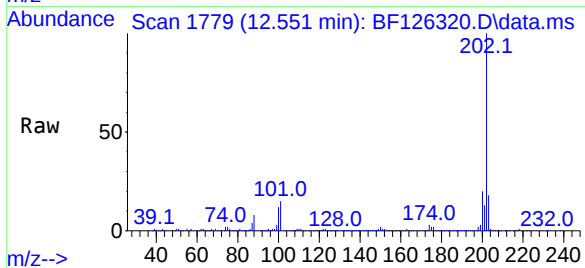
CL-02-122021

Tgt Ion:202 Resp: 545689
Ion Ratio Lower Upper
202 100
101 15.5 0.0 30.7
203 17.6 0.0 36.3

Manual Integrations

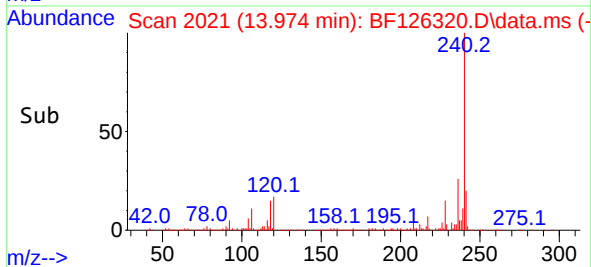
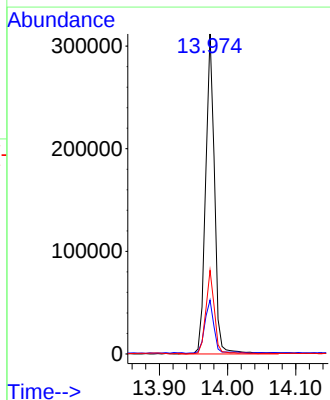
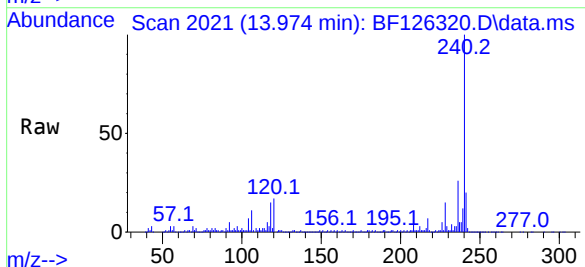
APPROVED

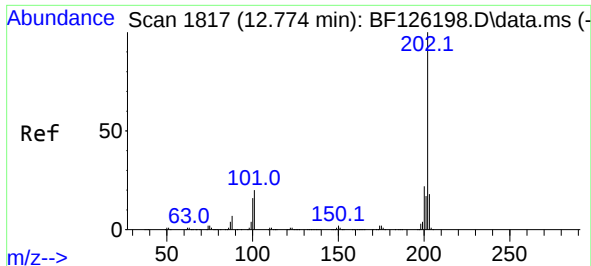
Reviewed By :Jagrut Upadhyay 12/22/2021
Supervised By :mohammad ahmed 12/27/2021



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.974 min Scan# 2021
Delta R.T. 0.006 min
Lab File: BF126320.D
Acq: 22 Dec 2021 3:31

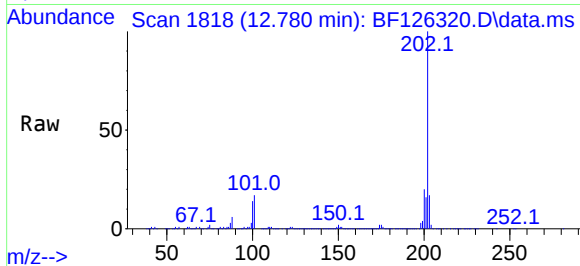
Tgt Ion:240 Resp: 284156
Ion Ratio Lower Upper
240 100
120 16.9 10.8 16.2#
236 26.1 21.6 32.4





#78
Pyrene
Concen: 18.830 ng
RT: 12.780 min Scan# 1818
Delta R.T. 0.006 min
Lab File: BF126320.D
Acq: 22 Dec 2021 3:31

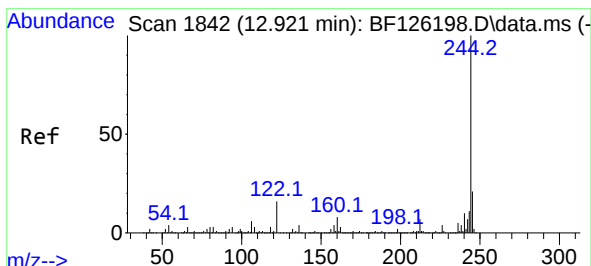
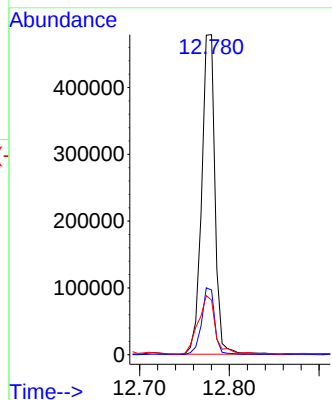
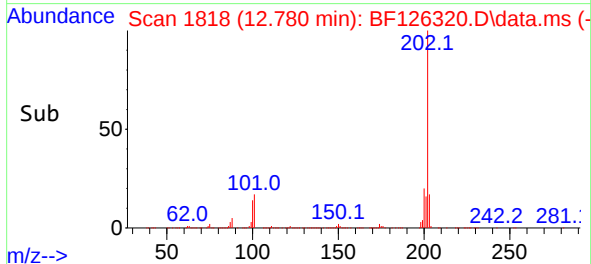
Instrument :
BNA_F
ClientSampleId :
CL-02-122021



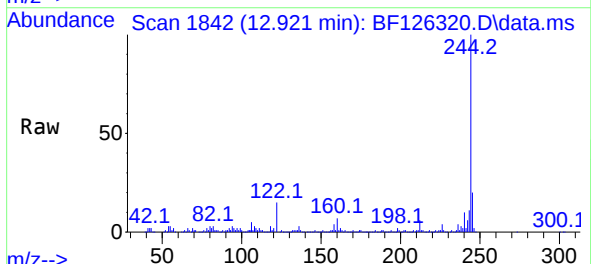
Tgt Ion:202 Resp: 49158
Ion Ratio Lower Upper
202 100
200 20.2 15.3 22.9
203 17.1 13.4 20.0

Manual Integrations
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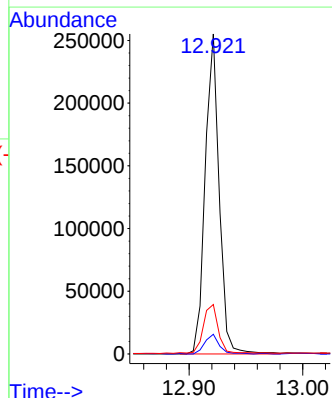
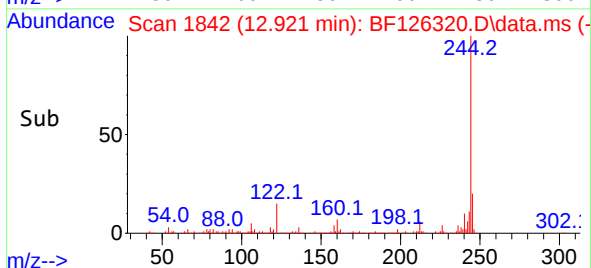
Reviewed By :Jagrut Upadhyay 12/22/2021
Supervised By :mohammad ahmed 12/27/2021

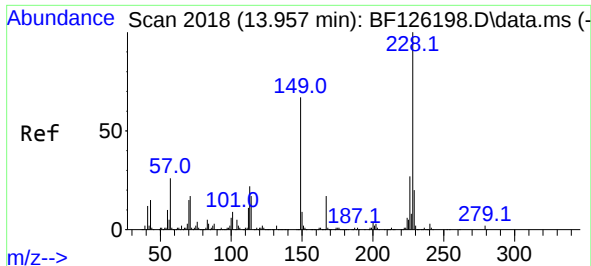


#79
Terphenyl-d14
Concen: 13.330 ng
RT: 12.921 min Scan# 1842
Delta R.T. 0.000 min
Lab File: BF126320.D
Acq: 22 Dec 2021 3:31



Tgt Ion:244 Resp: 217920
Ion Ratio Lower Upper
244 100
212 6.2 5.9 8.9
122 15.4 9.0 13.4





#81
Benzo(a)anthracene
Concen: 11.462 ng
RT: 13.962 min Scan# 2019
Delta R.T. 0.006 min
Lab File: BF126320.D
Acq: 22 Dec 2021 3:31

Instrument :

BNA_F

ClientSampleId :

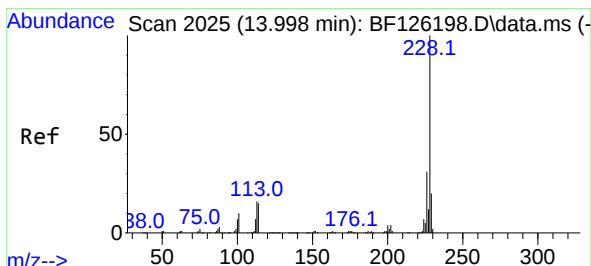
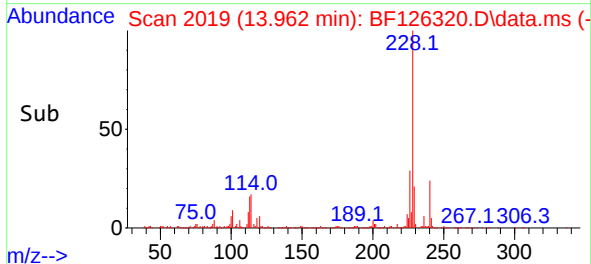
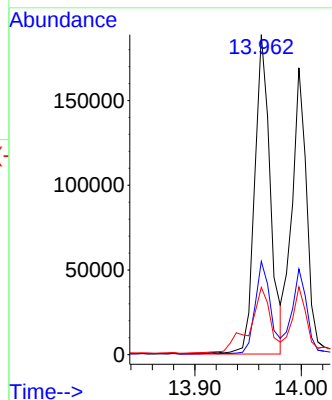
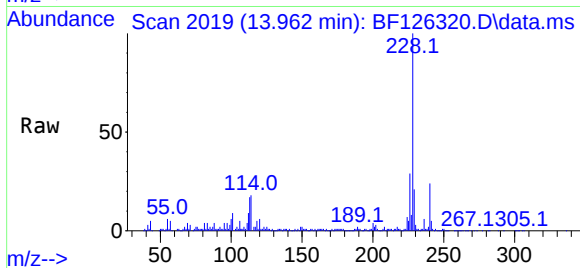
CL-02-122021

Tgt Ion:228 Resp: 19292
Ion Ratio Lower Upper
228 100
226 29.2 21.6 32.4
229 21.0 15.6 23.4

Manual Integrations

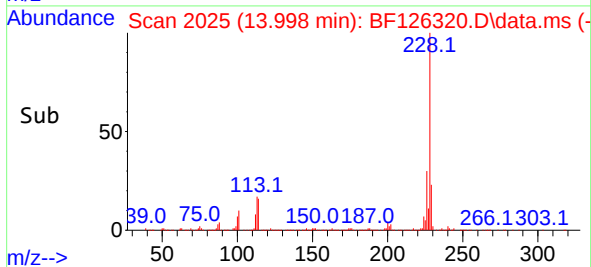
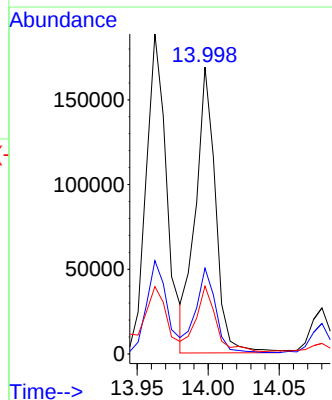
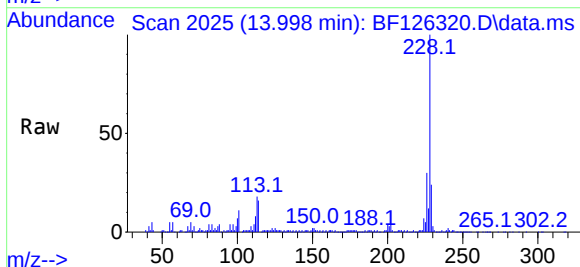
APPROVED

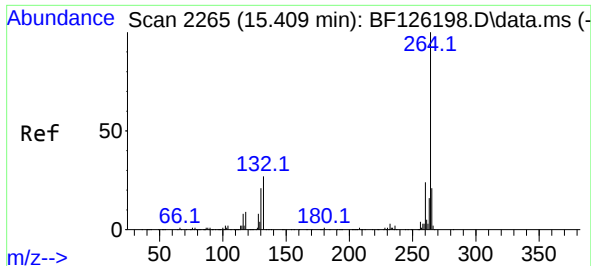
Reviewed By :Jagrut Upadhyay 12/22/2021
Supervised By :mohammad ahmed 12/27/2021



#83
Chrysene
Concen: 9.458 ng
RT: 13.998 min Scan# 2025
Delta R.T. 0.000 min
Lab File: BF126320.D
Acq: 22 Dec 2021 3:31

Tgt Ion:228 Resp: 165406
Ion Ratio Lower Upper
228 100
226 29.9 22.6 34.0
229 23.6 15.9 23.9





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.427 min Scan# 21
Delta R.T. 0.018 min
Lab File: BF126320.D
Acq: 22 Dec 2021 3:31

Instrument :

BNA_F

ClientSampleId :

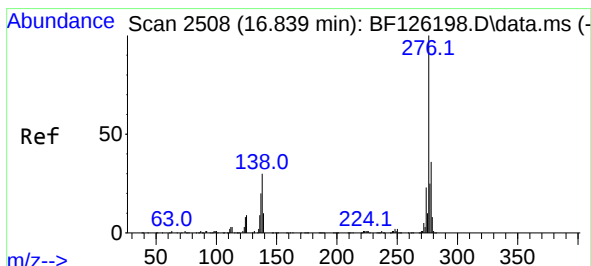
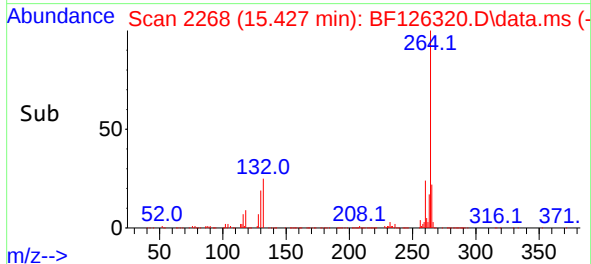
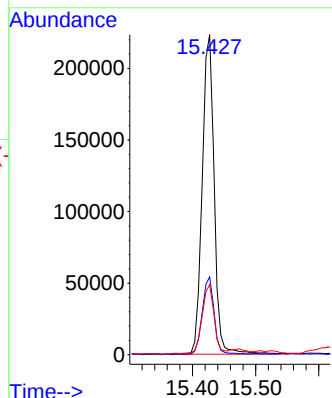
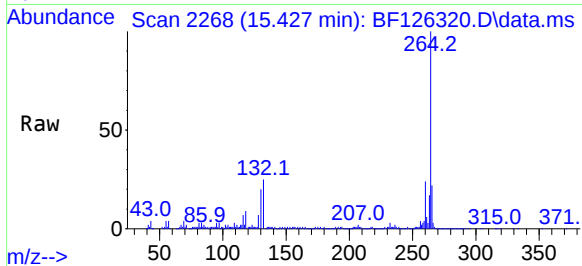
CL-02-122021

Tgt Ion:264 Resp: 293692
Ion Ratio Lower Upper
264 100
260 24.3 19.6 29.4
265 21.8 17.2 25.8

Manual Integrations

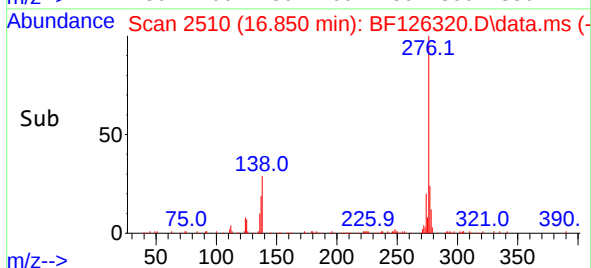
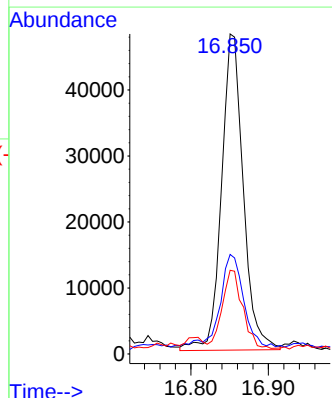
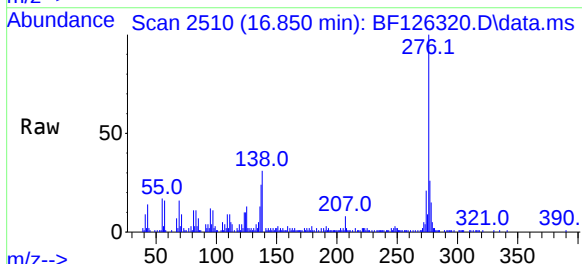
APPROVED

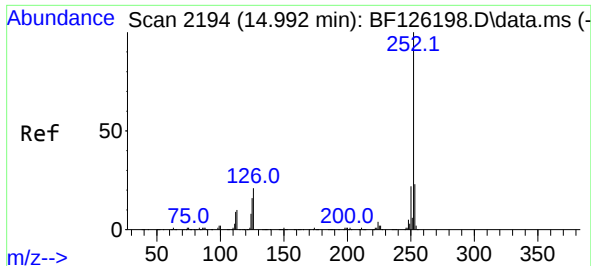
Reviewed By :Jagrut Upadhyay 12/22/2021
Supervised By :mohammad ahmed 12/27/2021



#87
Indeno(1,2,3-cd)pyrene
Concen: 4.784 ng
RT: 16.850 min Scan# 2510
Delta R.T. 0.012 min
Lab File: BF126320.D
Acq: 22 Dec 2021 3:31

Tgt Ion:276 Resp: 93712
Ion Ratio Lower Upper
276 100
138 33.6 24.1 36.1
277 22.7 18.8 28.2





#88
Benzo(b)fluoranthene
Concen: 12.465 ng m
RT: 15.004 min Scan# 21997
Delta R.T. 0.012 min
Lab File: BF126320.D
Acq: 22 Dec 2021 3:31

Instrument :

BNA_F

ClientSampleId :

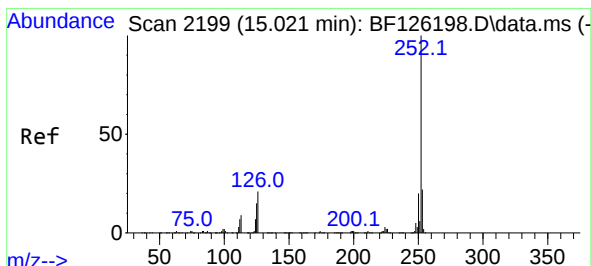
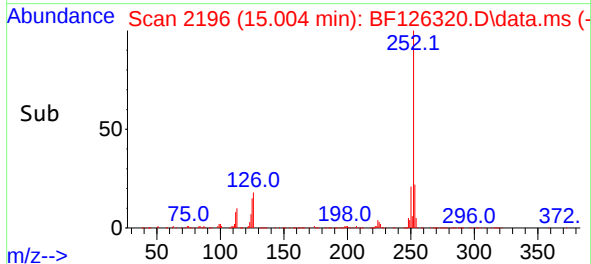
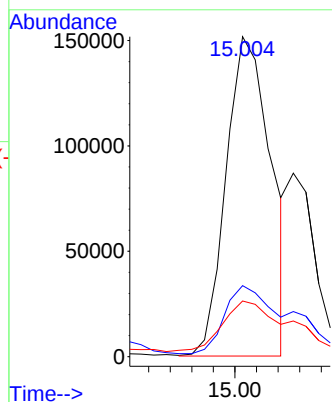
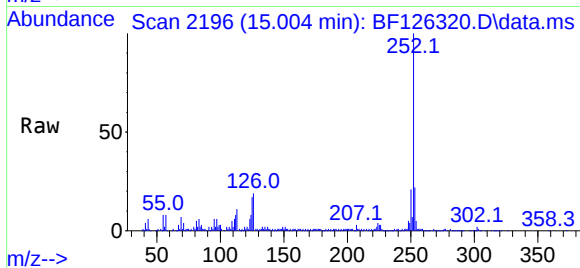
CL-02-122021

Tgt Ion:252 Resp: 21997
Ion Ratio Lower Upper
252 100
253 22.2 16.8 25.2
125 17.4 9.8 14.8

Manual Integrations

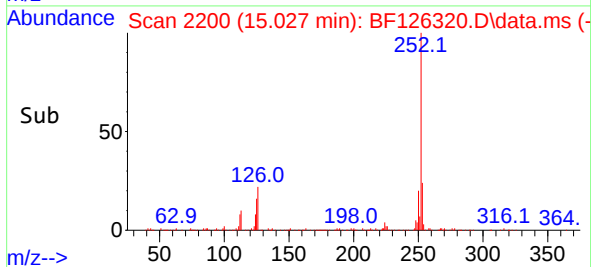
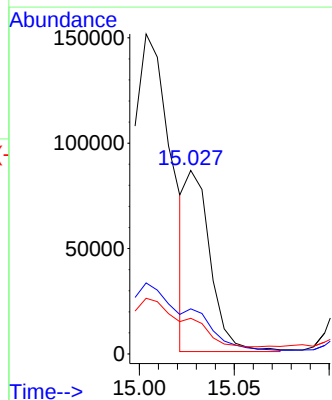
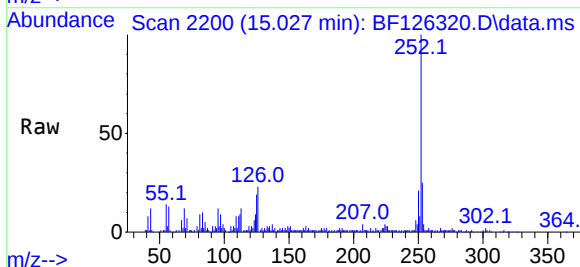
APPROVED

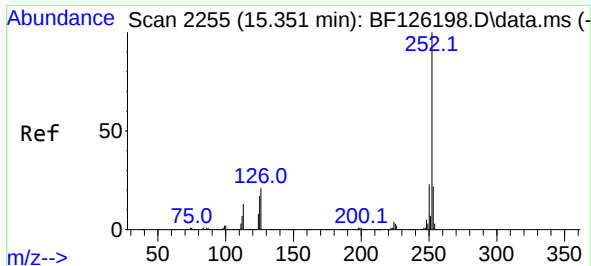
Reviewed By :Jagrut Upadhyay 12/22/2021
Supervised By :mohammad ahmed 12/27/2021



#89
Benzo(k)fluoranthene
Concen: 4.533 ng m
RT: 15.027 min Scan# 2200
Delta R.T. 0.006 min
Lab File: BF126320.D
Acq: 22 Dec 2021 3:31

Tgt Ion:252 Resp: 76524
Ion Ratio Lower Upper
252 100
253 24.6 17.8 26.8
125 19.5 7.2 10.8





#90
Benzo(a)pyrene
Concen: 11.335 ng
RT: 15.362 min Scan# 21
Delta R.T. 0.012 min
Lab File: BF126320.D
Acq: 22 Dec 2021 3:31

Instrument :

BNA_F

ClientSampleId :

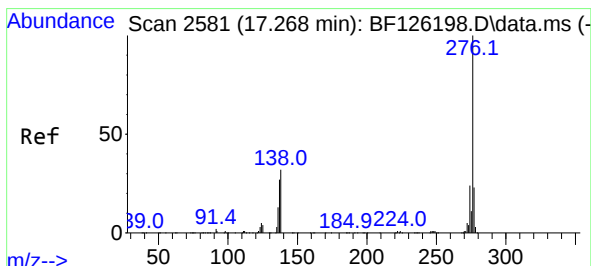
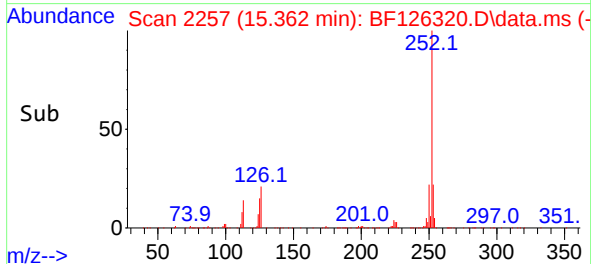
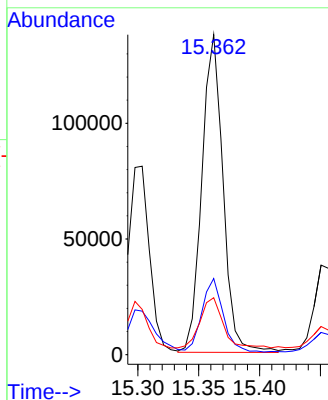
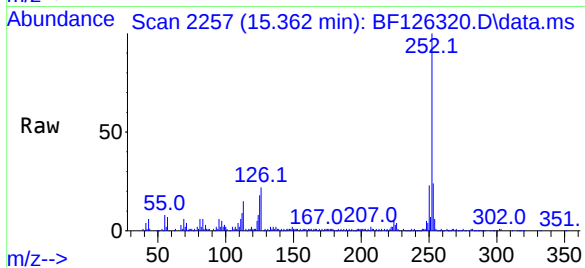
CL-02-122021

Tgt Ion:252 Resp: 166249
Ion Ratio Lower Upper
252 100
253 23.8 18.4 27.6
125 17.8 9.9 14.9

Manual Integrations

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Reviewed By :Jagrut Upadhyay 12/22/2021
Supervised By :mohammad ahmed 12/27/2021



#92
Benzo(g,h,i)perylene
Concen: 5.267 ng
RT: 17.280 min Scan# 2583
Delta R.T. 0.012 min
Lab File: BF126320.D
Acq: 22 Dec 2021 3:31

Tgt Ion:276 Resp: 86779
Ion Ratio Lower Upper
276 100
277 25.3 22.0 33.0
138 30.2 22.2 33.4

