

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122221\
 Data File : BF126331.D
 Acq On : 22 Dec 2021 16:14
 Operator : JU/CG
 Sample : M5198-03
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-20-C2

Manual Integrations
 APPROVED

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

Quant Time: Dec 22 16:41:23 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	138792	20.000	ng	0.00
21) Naphthalene-d8	8.098	136	571196	20.000	ng	# 0.00
39) Acenaphthene-d10	9.851	164	238979	20.000	ng	0.00
64) Phenanthrene-d10	11.339	188	337763	20.000	ng	# 0.00
76) Chrysene-d12	13.974	240	228261	20.000	ng	# 0.00
86) Perylene-d12	15.421	264	278280	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.428	112	775343	82.268	ng	0.00
7) Phenol-d6	6.440	99	942177	78.732	ng	0.00
23) Nitrobenzene-d5	7.375	82	597087	56.614	ng	0.00
42) 2,4,6-Tribromophenol	10.639	330	140492	73.152	ng	0.00
45) 2-Fluorobiphenyl	9.175	172	845327	62.039	ng	0.00
79) Terphenyl-d14	12.922	244	602723	45.895	ng	0.00
Target Compounds						Qvalue
52) Acenaphthene	9.886	154	33693	2.557	ng	98
71) Phenanthrene	11.363	178	774388	44.421	ng	98
72) Anthracene	11.410	178	128539	7.346	ng	99
75) Fluoranthene	12.551	202	540399	34.406	ng	93
78) Pyrene	12.780	202	863328	41.168	ng	98
81) Benzo(a)anthracene	13.963	228	323681	23.939	ng	98
83) Chrysene	13.998	228	315817	22.481	ng	98
87) Indeno(1,2,3-cd)pyrene	16.851	276	126347	6.807	ng	100
88) Benzo(b)fluoranthene	15.004	252	272697m	16.309	ng	
89) Benzo(k)fluoranthene	15.027	252	96010m	6.002	ng	
90) Benzo(a)pyrene	15.363	252	229858	16.540	ng	# 96
91) Dibenzo(a,h)anthracene	16.862	278	38348m	2.541	ng	
92) Benzo(g,h,i)perylene	17.286	276	129942	8.323	ng	91

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

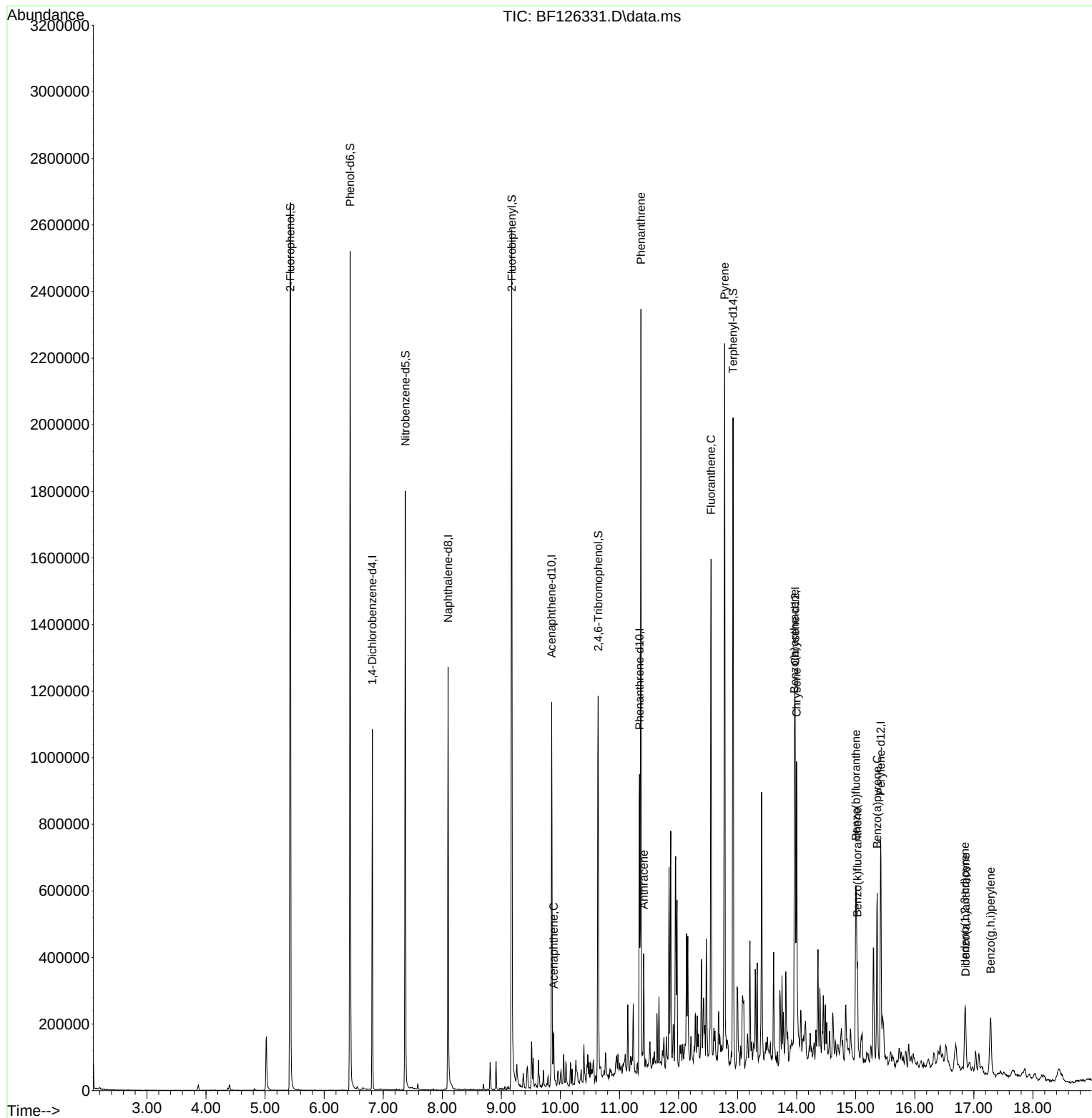
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122221\
Data File : BF126331.D
Acq On : 22 Dec 2021 16:14
Operator : JU/CG
Sample : M5198-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

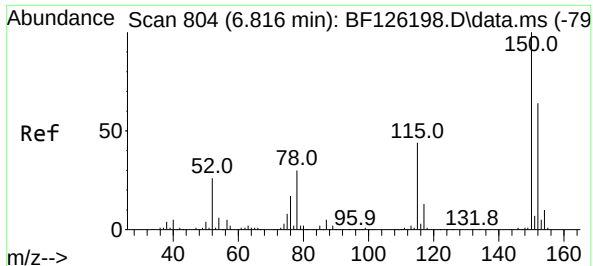
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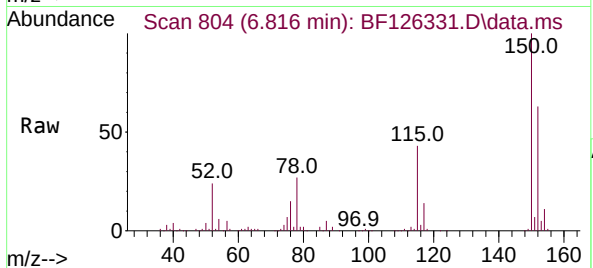
Quant Time: Dec 22 16:41:23 2021
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 22 13:00:11 2021
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#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.816 min Scan# 804
Delta R.T. 0.000 min
Lab File: BF126331.D
Acq: 22 Dec 2021 16:14

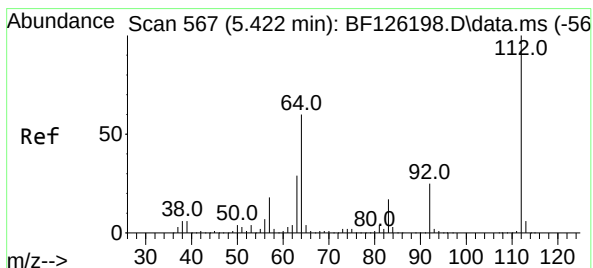
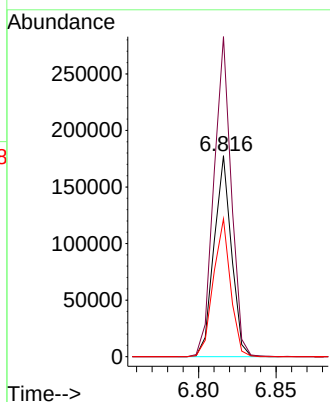
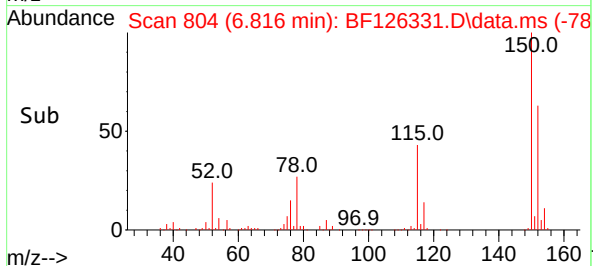
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ClientSampleId :
SB-20-C2



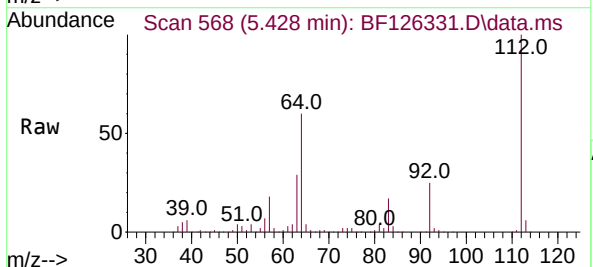
Tgt Ion:152 Resp: 138792
Ion Ratio Lower Upper
152 100
150 159.2 117.6 176.4
115 68.5 47.1 70.7

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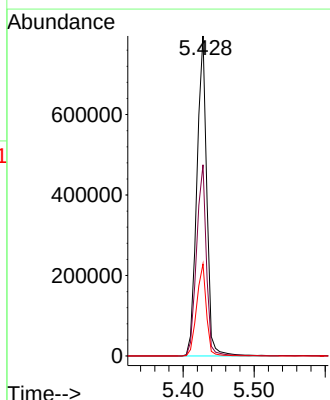
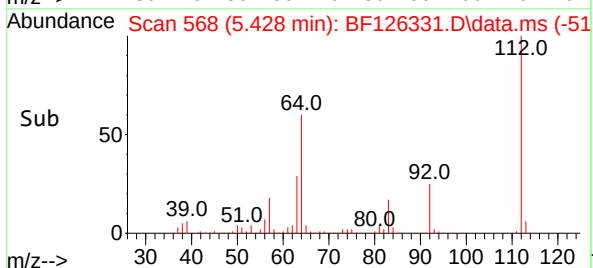
Reviewed By :Jagrut Upadhyay 12/23/2021
Supervised By :mohammad ahmed 12/29/2021

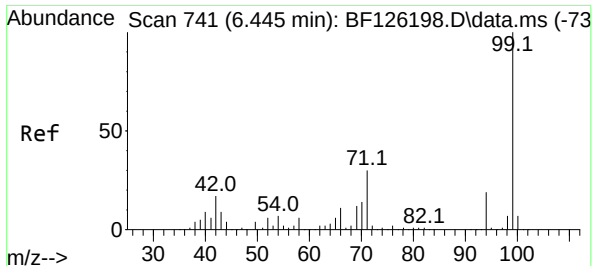


#5
2-Fluorophenol
Concen: 82.268 ng
RT: 5.428 min Scan# 568
Delta R.T. 0.000 min
Lab File: BF126331.D
Acq: 22 Dec 2021 16:14



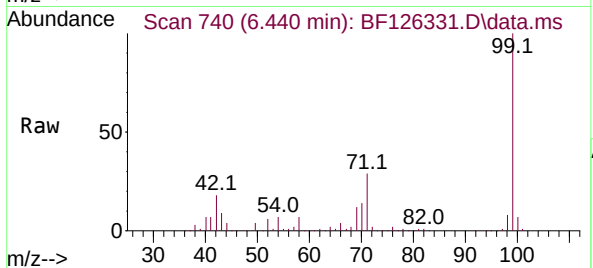
Tgt Ion:112 Resp: 775343
Ion Ratio Lower Upper
112 100
64 59.7 44.2 66.2
63 28.7 26.2 39.2





#7
Phenol-d6
Concen: 78.732 ng
RT: 6.440 min Scan# 741
Delta R.T. -0.006 min
Lab File: BF126331.D
Acq: 22 Dec 2021 16:14

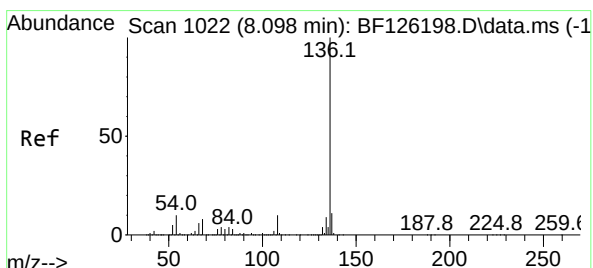
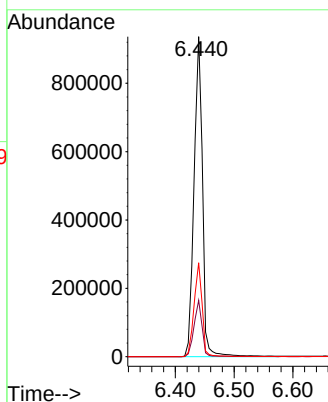
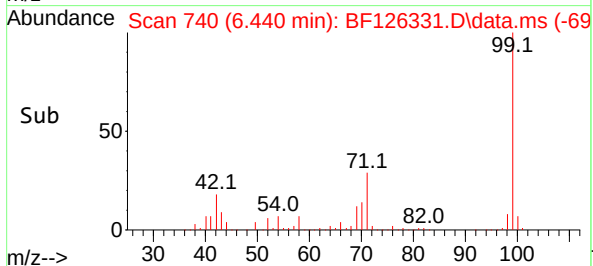
Instrument :
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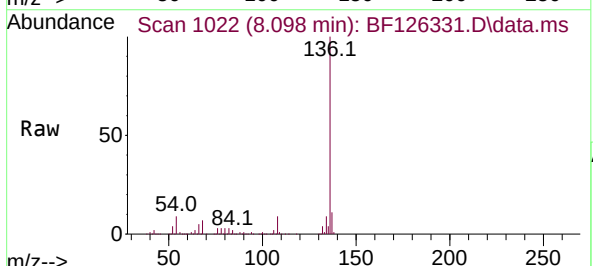
Tgt Ion: 99 Resp: 94217
Ion Ratio Lower Upper
99 100
42 17.6 23.5 35.3
71 29.3 25.6 38.4

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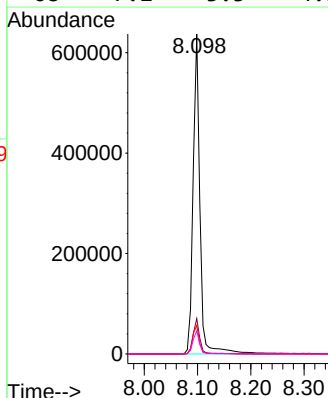
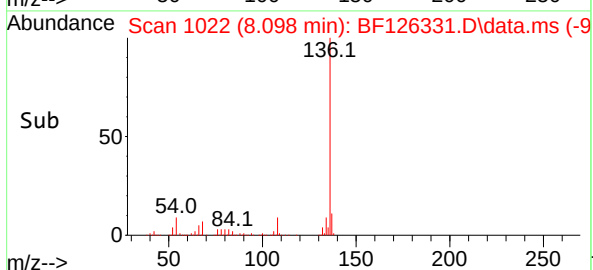
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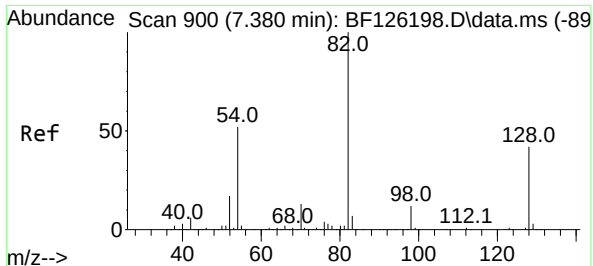


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.098 min Scan# 1022
Delta R.T. -0.006 min
Lab File: BF126331.D
Acq: 22 Dec 2021 16:14



Tgt Ion:136 Resp: 571196
Ion Ratio Lower Upper
136 100
137 11.0 9.8 14.6
54 8.9 6.4 9.6
68 7.2 3.3 4.9





#23

Nitrobenzene-d5

Concen: 56.614 ng

RT: 7.375 min Scan# 89

Delta R.T. -0.006 min

Lab File: BF126331.D

Acq: 22 Dec 2021 16:14

Instrument :

BNA_F

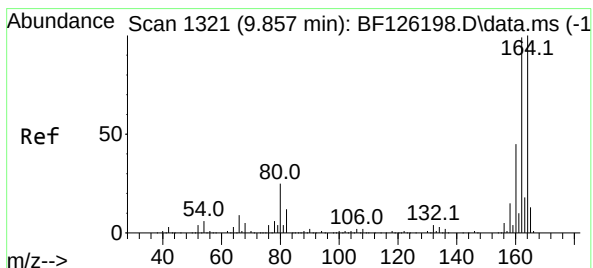
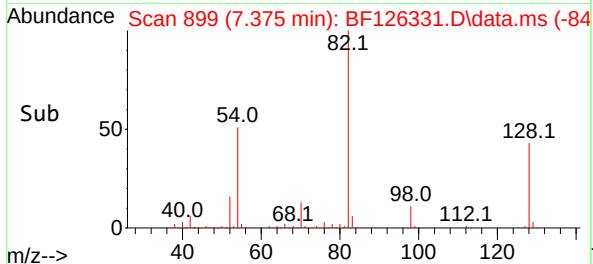
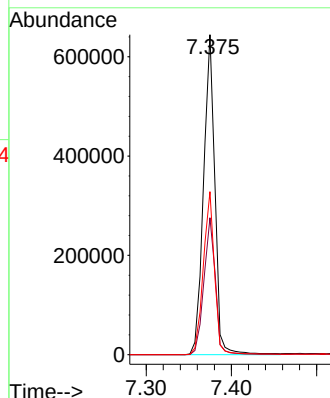
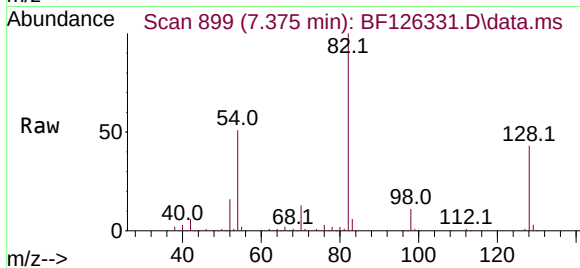
ClientSampleId :

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Tgt Ion: 82 Resp: 59708
 Ion Ratio Lower Upper
 82 100
 128 42.8 40.6 60.8
 54 51.0 49.6 74.4

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#39

Acenaphthene-d10

Concen: 20.000 ng

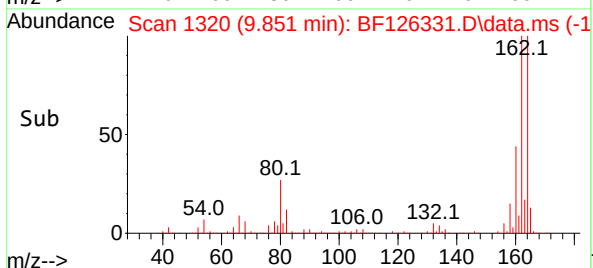
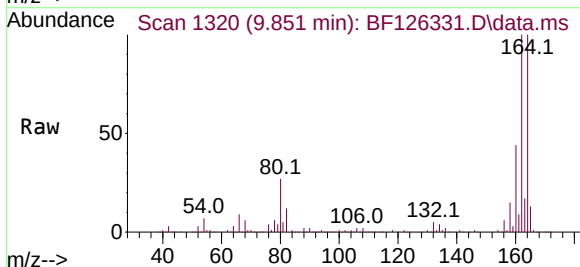
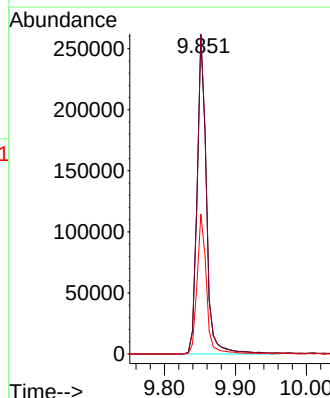
RT: 9.851 min Scan# 1320

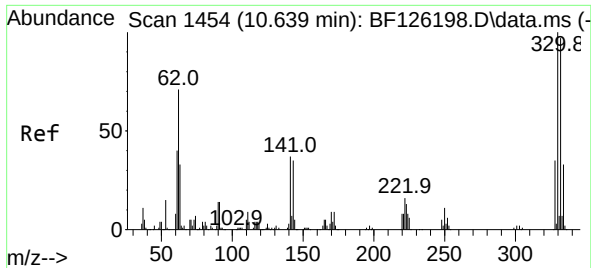
Delta R.T. -0.006 min

Lab File: BF126331.D

Acq: 22 Dec 2021 16:14

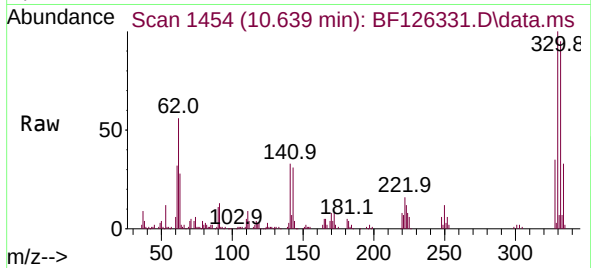
Tgt Ion:164 Resp: 238979
 Ion Ratio Lower Upper
 164 100
 162 100.5 81.3 121.9
 160 43.9 38.0 57.0





#42
2,4,6-Tribromophenol
Concen: 73.152 ng
RT: 10.639 min Scan# 1454
Delta R.T. -0.006 min
Lab File: BF126331.D
Acq: 22 Dec 2021 16:14

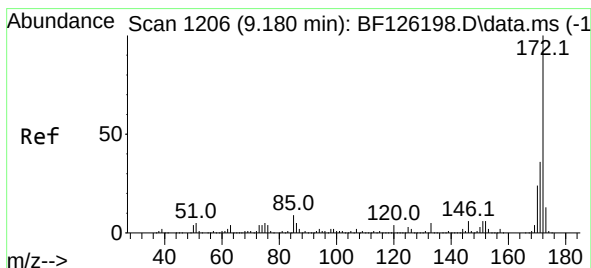
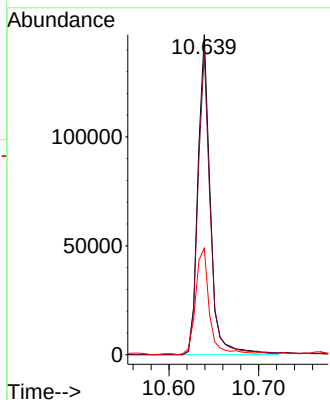
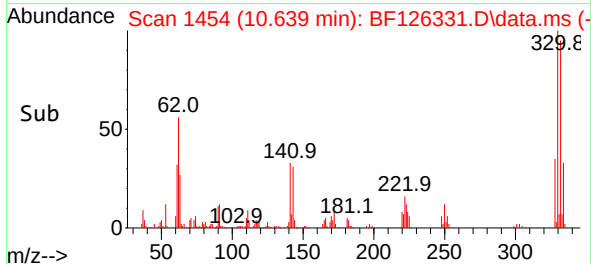
Instrument :
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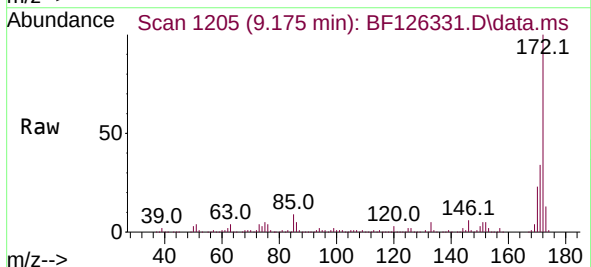
Tgt Ion:330 Resp: 140492
Ion Ratio Lower Upper
330 100
332 95.3 76.2 114.4
141 37.9 44.6 66.8

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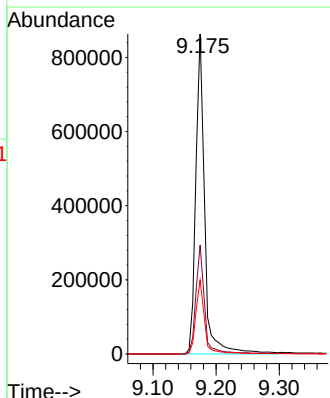
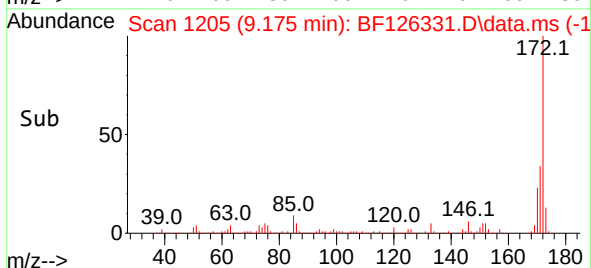
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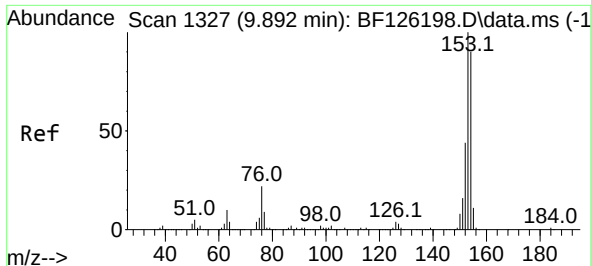


#45
2-Fluorobiphenyl
Concen: 62.039 ng
RT: 9.175 min Scan# 1205
Delta R.T. -0.006 min
Lab File: BF126331.D
Acq: 22 Dec 2021 16:14



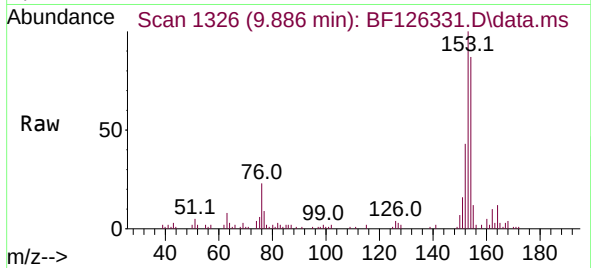
Tgt Ion:172 Resp: 845327
Ion Ratio Lower Upper
172 100
171 34.0 26.5 39.7
170 23.1 18.8 28.2





#52
Acenaphthene
Concen: 2.557 ng
RT: 9.886 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF126331.D
Acq: 22 Dec 2021 16:14

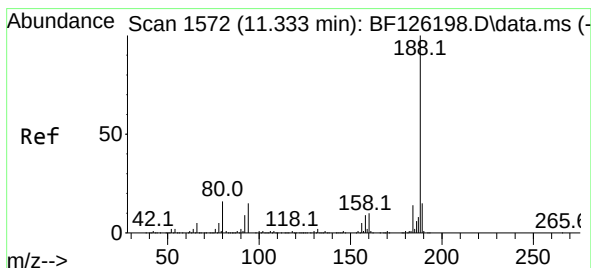
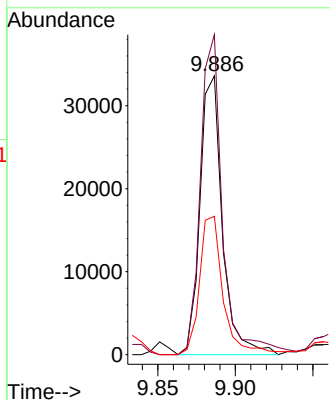
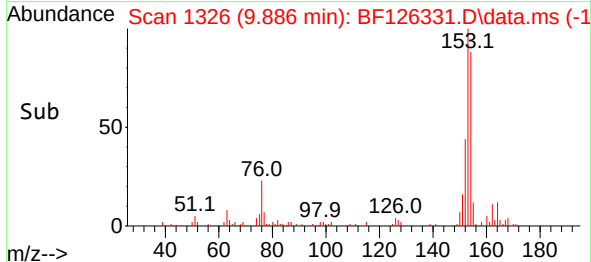
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BNA_F
ClientSampleId :
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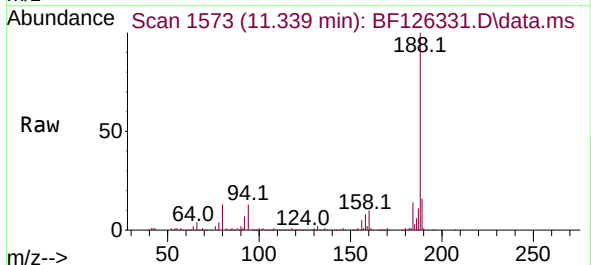
Tgt Ion:154 Resp: 3369
Ion Ratio Lower Upper
154 100
153 114.7 89.4 134.2
152 49.6 40.5 60.7

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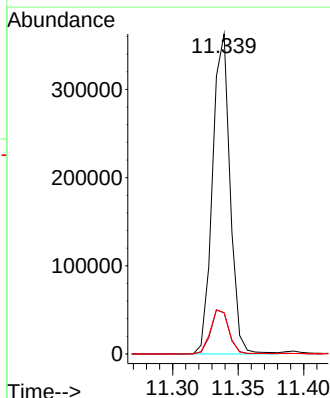
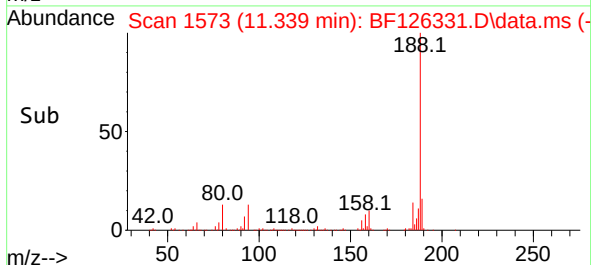
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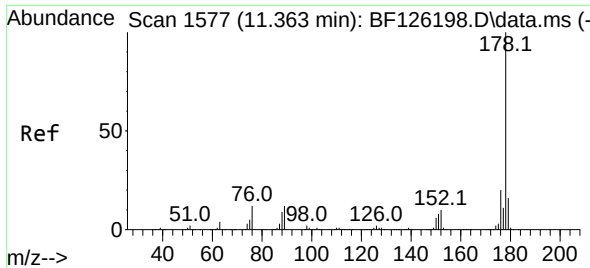


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.339 min Scan# 1573
Delta R.T. 0.000 min
Lab File: BF126331.D
Acq: 22 Dec 2021 16:14



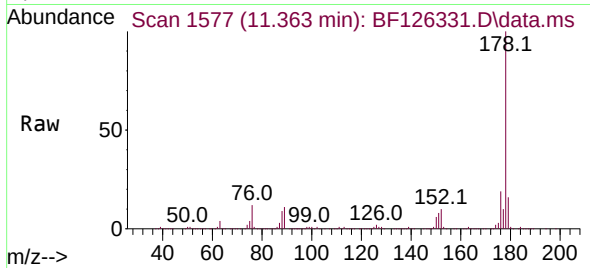
Tgt Ion:188 Resp: 337763
Ion Ratio Lower Upper
188 100
94 12.9 6.7 10.1#
80 12.9 7.5 11.3#





#71
Phenanthrene
Concen: 44.421 ng
RT: 11.363 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF126331.D
Acq: 22 Dec 2021 16:14

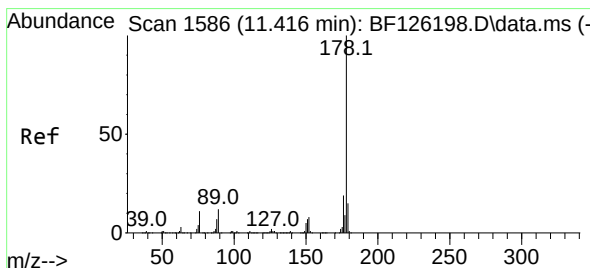
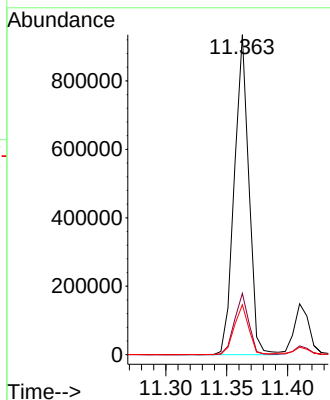
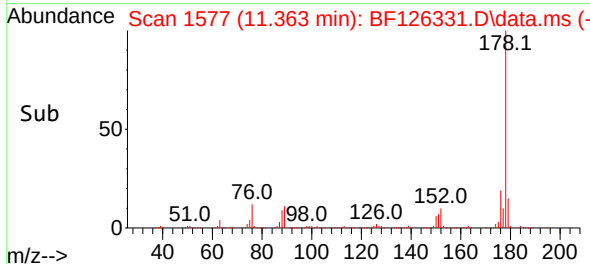
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Tgt Ion:178 Resp: 774388
Ion Ratio Lower Upper
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176 19.1 14.7 22.1
179 15.6 11.5 17.3

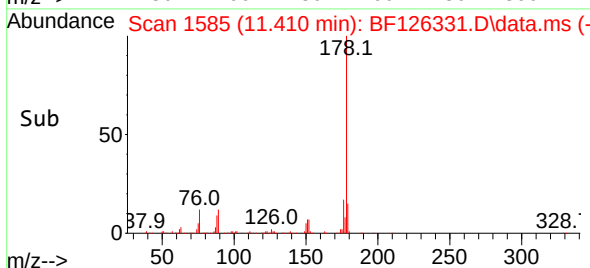
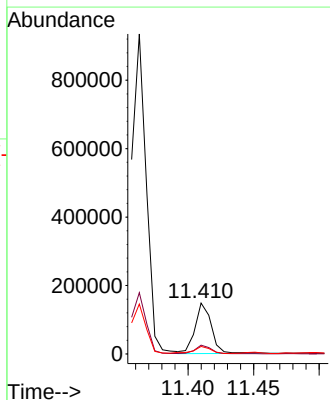
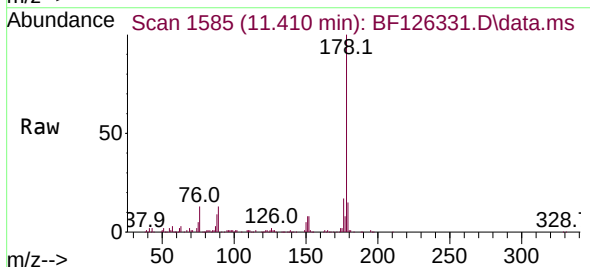
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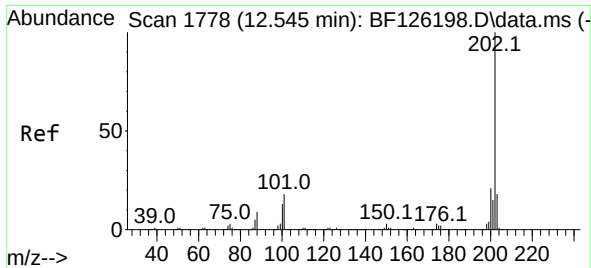
Reviewed By :Jagrut Upadhyay 12/23/2021
Supervised By :mohammad ahmed 12/29/2021



#72
Anthracene
Concen: 7.346 ng
RT: 11.410 min Scan# 1585
Delta R.T. -0.006 min
Lab File: BF126331.D
Acq: 22 Dec 2021 16:14

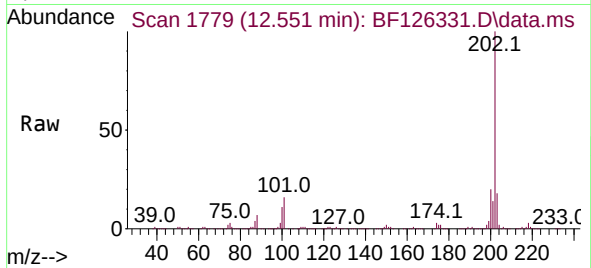
Tgt Ion:178 Resp: 128539
Ion Ratio Lower Upper
178 100
176 17.2 14.3 21.5
179 14.8 12.2 18.4





#75
Fluoranthene
Concen: 34.406 ng
RT: 12.551 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF126331.D
Acq: 22 Dec 2021 16:14

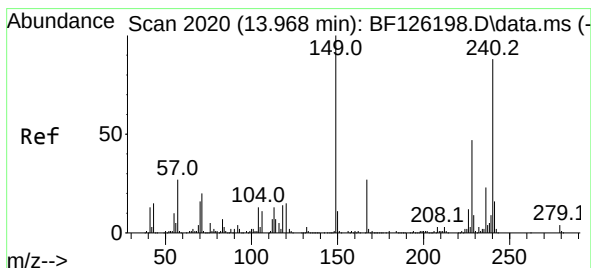
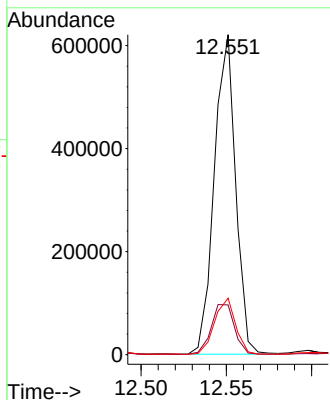
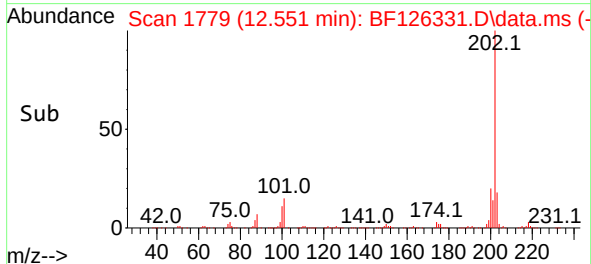
Instrument :
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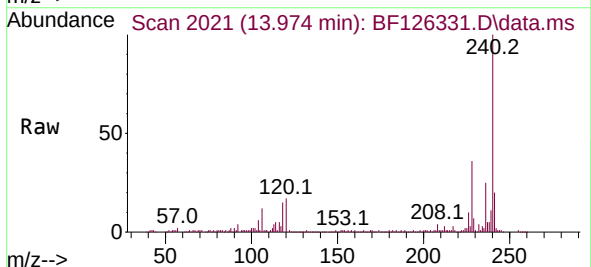
Tgt Ion:202 Resp: 540399
Ion Ratio Lower Upper
202 100
101 15.5 0.0 30.7
203 17.7 0.0 36.3

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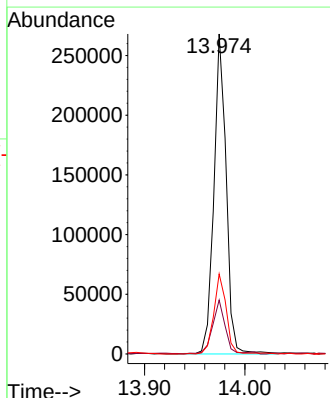
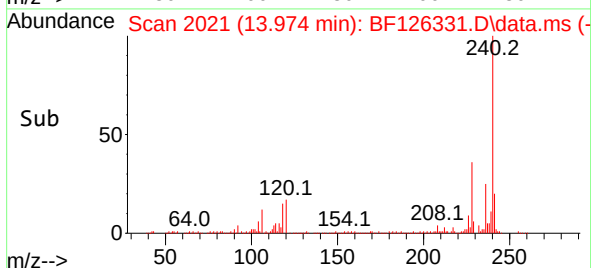
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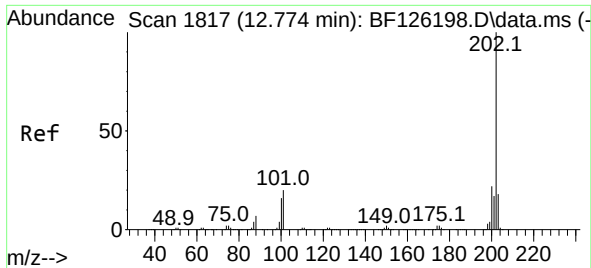


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.974 min Scan# 2021
Delta R.T. -0.006 min
Lab File: BF126331.D
Acq: 22 Dec 2021 16:14



Tgt Ion:240 Resp: 228261
Ion Ratio Lower Upper
240 100
120 16.8 10.8 16.2#
236 25.0 21.6 32.4





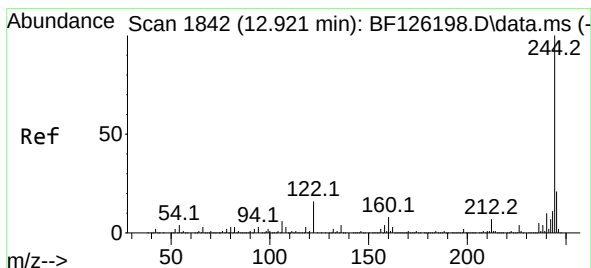
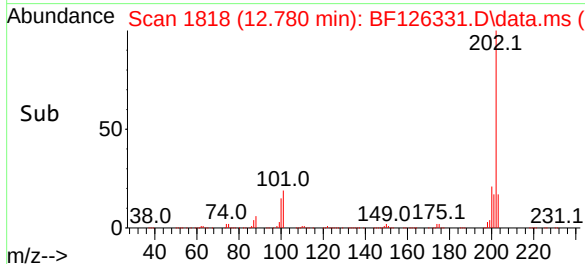
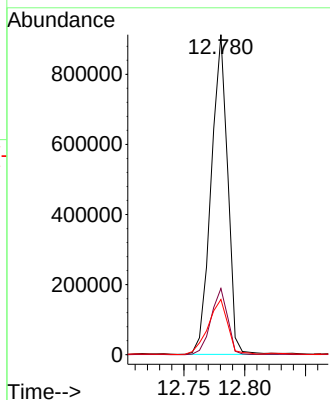
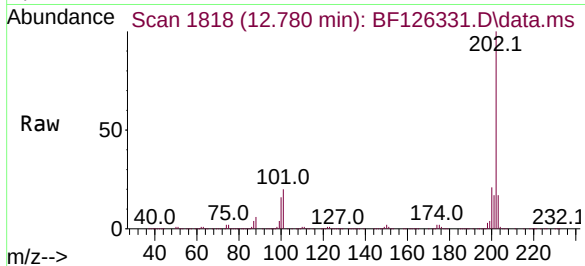
#78
Pyrene
Concen: 41.168 ng
RT: 12.780 min Scan# 1817
Delta R.T. 0.000 min
Lab File: BF126331.D
Acq: 22 Dec 2021 16:14

Instrument :
BNA_F
ClientSampleId :
SB-20-C2

Tgt Ion:202 Resp: 863328
Ion Ratio Lower Upper
202 100
200 20.7 15.3 22.9
203 17.3 13.4 20.0

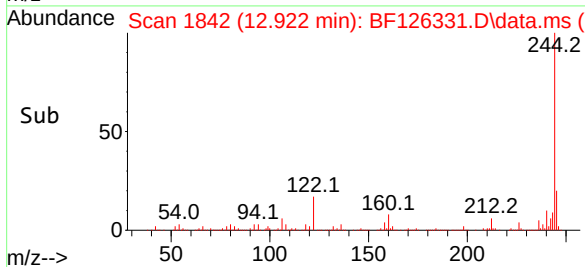
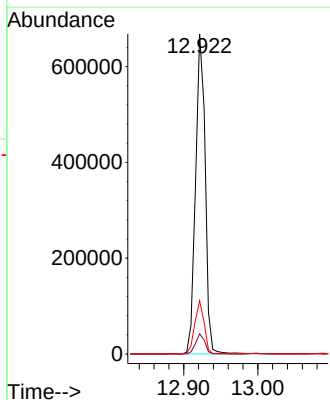
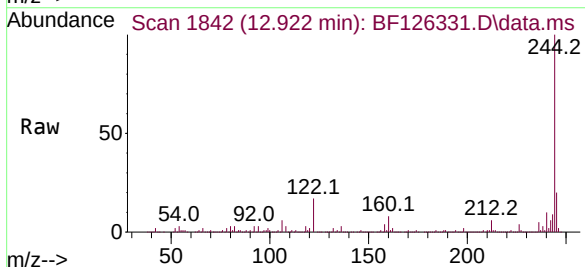
Manual Integrations
APPROVED

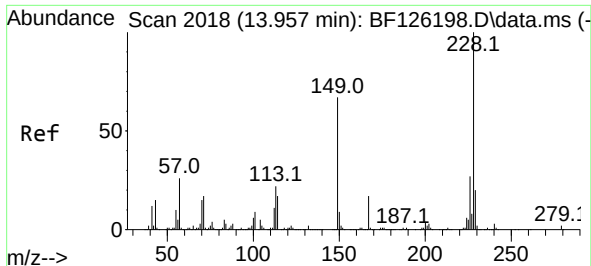
Reviewed By :Jagrut Upadhyay 12/23/2021
Supervised By :mohammad ahmed 12/29/2021



#79
Terphenyl-d14
Concen: 45.895 ng
RT: 12.922 min Scan# 1842
Delta R.T. -0.006 min
Lab File: BF126331.D
Acq: 22 Dec 2021 16:14

Tgt Ion:244 Resp: 602723
Ion Ratio Lower Upper
244 100
212 6.3 5.9 8.9
122 16.7 9.0 13.4





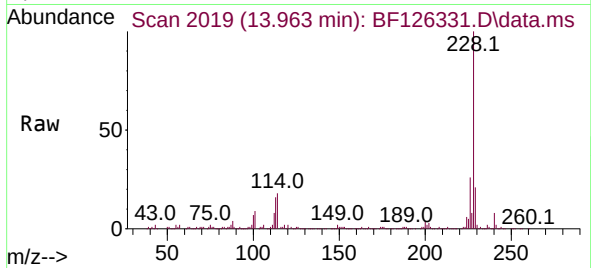
#81
Benzo(a)anthracene
Concen: 23.939 ng
RT: 13.963 min Scan# 2018
Delta R.T. -0.006 min
Lab File: BF126331.D
Acq: 22 Dec 2021 16:14

Instrument :

BNA_F

ClientSampleId :

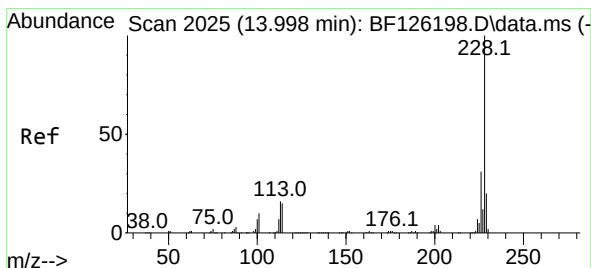
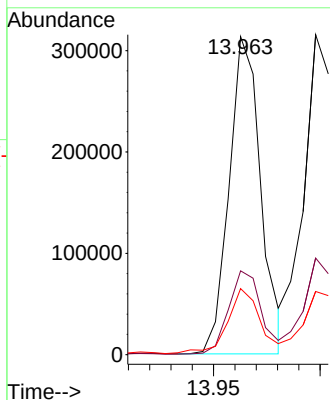
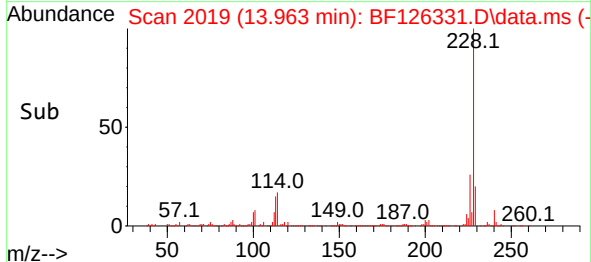
SB-20-C2



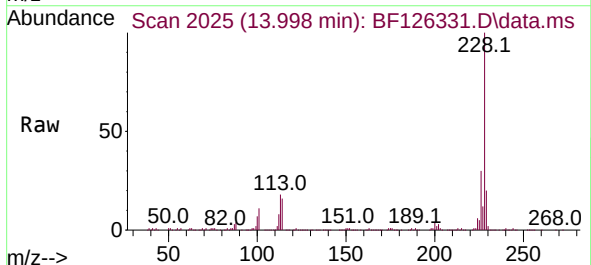
Tgt Ion:228 Resp: 32368
Ion Ratio Lower Upper
228 100
226 26.4 21.6 32.4
229 20.8 15.6 23.4

Manual Integrations
APPROVED

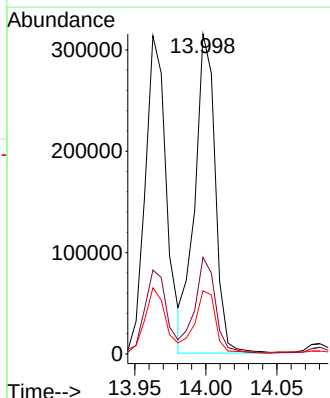
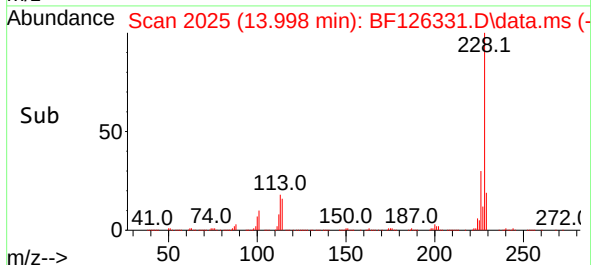
Reviewed By :Jagrut Upadhyay 12/23/2021
Supervised By :mohammad ahmed 12/29/2021

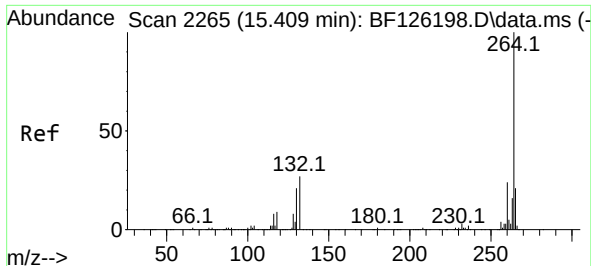


#83
Chrysene
Concen: 22.481 ng
RT: 13.998 min Scan# 2025
Delta R.T. -0.006 min
Lab File: BF126331.D
Acq: 22 Dec 2021 16:14



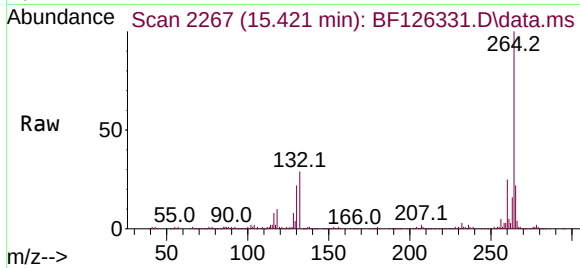
Tgt Ion:228 Resp: 315817
Ion Ratio Lower Upper
228 100
226 30.2 22.6 34.0
229 19.8 15.9 23.9





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.421 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF126331.D
Acq: 22 Dec 2021 16:14

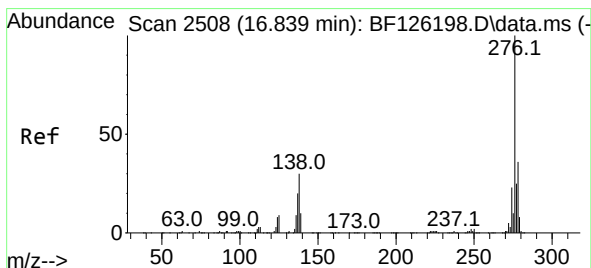
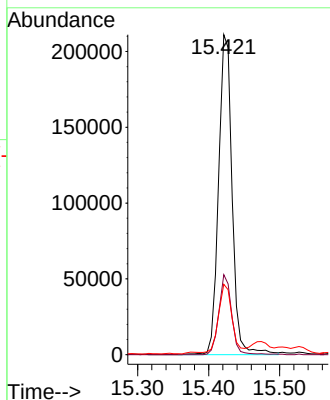
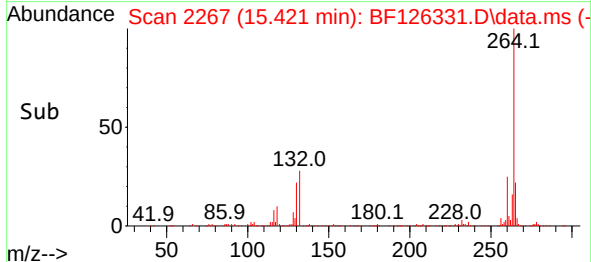
Instrument :
BNA_F
ClientSampleId :
SB-20-C2



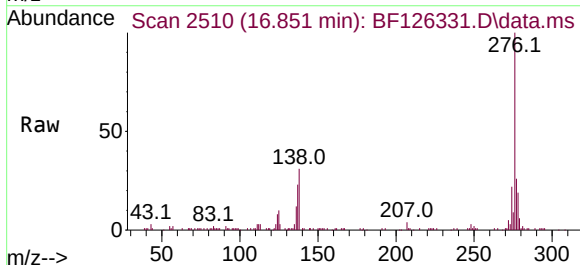
Tgt Ion:264 Resp: 278280
Ion Ratio Lower Upper
264 100
260 25.0 19.6 29.4
265 22.0 17.2 25.8

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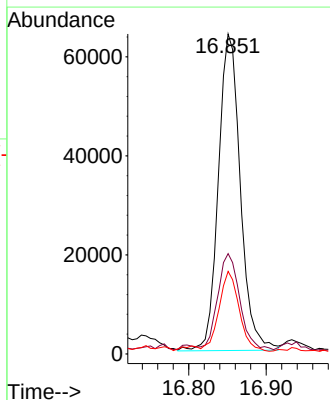
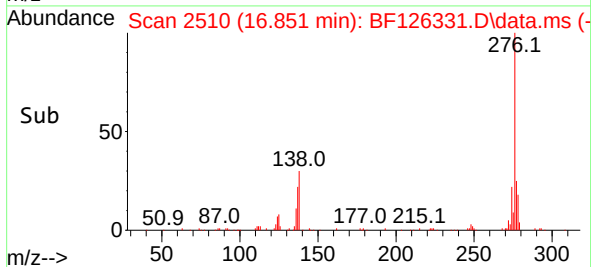
Reviewed By :Jagrut Upadhyay 12/23/2021
Supervised By :mohammad ahmed 12/29/2021

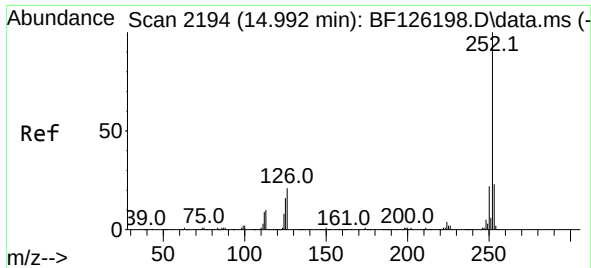


#87
Indeno(1,2,3-cd)pyrene
Concen: 6.807 ng
RT: 16.851 min Scan# 2510
Delta R.T. -0.012 min
Lab File: BF126331.D
Acq: 22 Dec 2021 16:14



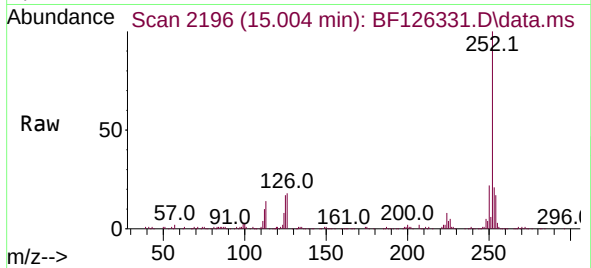
Tgt Ion:276 Resp: 126347
Ion Ratio Lower Upper
276 100
138 30.4 24.1 36.1
277 23.5 18.8 28.2





#88
Benzo(b)fluoranthene
Concen: 16.309 ng m
RT: 15.004 min Scan# 2194
Delta R.T. 0.000 min
Lab File: BF126331.D
Acq: 22 Dec 2021 16:14

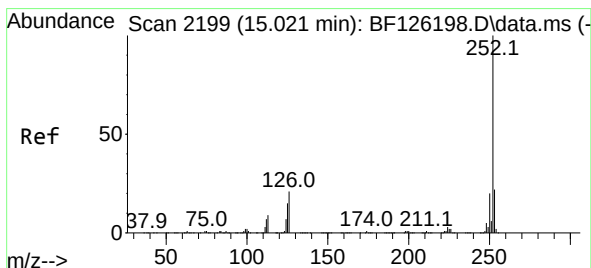
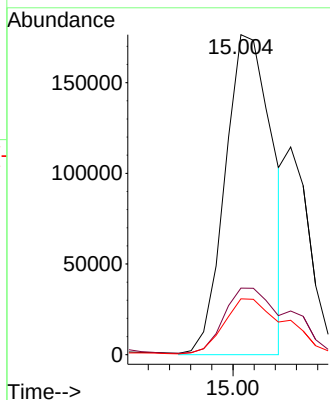
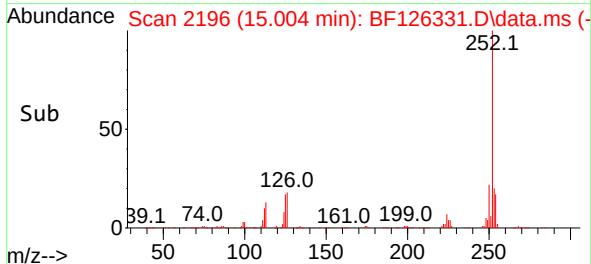
Instrument :
BNA_F
ClientSampleId :
SB-20-C2



Tgt Ion:252 Resp: 272697
Ion Ratio Lower Upper
252 100
253 20.8 16.8 25.2
125 17.4 9.8 14.8

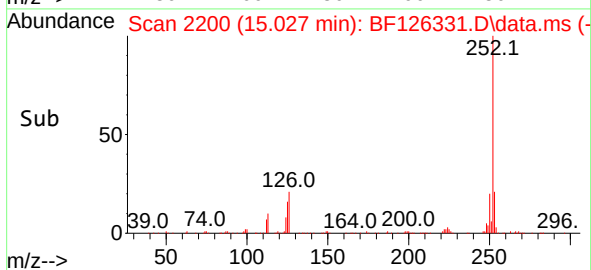
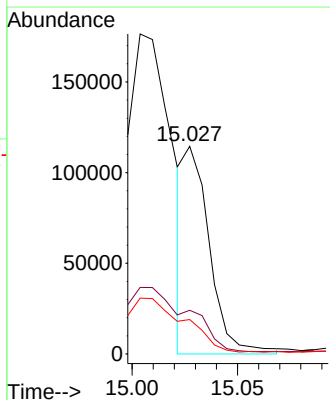
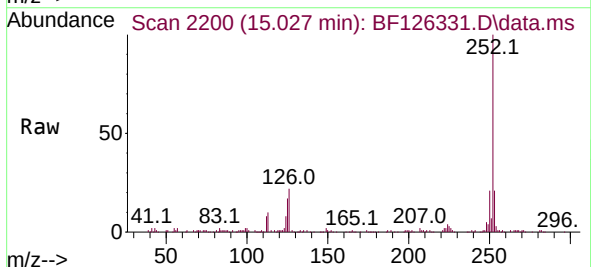
Manual Integrations
APPROVED

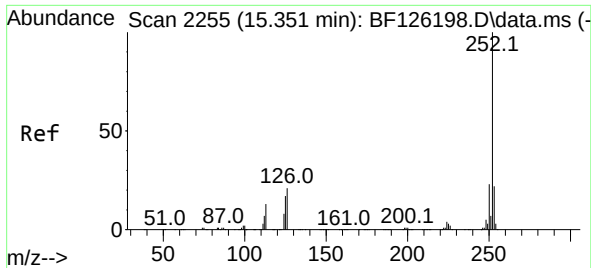
Reviewed By :Jagrut Upadhyay 12/23/2021
Supervised By :mohammad ahmed 12/29/2021



#89
Benzo(k)fluoranthene
Concen: 6.002 ng m
RT: 15.027 min Scan# 2200
Delta R.T. -0.006 min
Lab File: BF126331.D
Acq: 22 Dec 2021 16:14

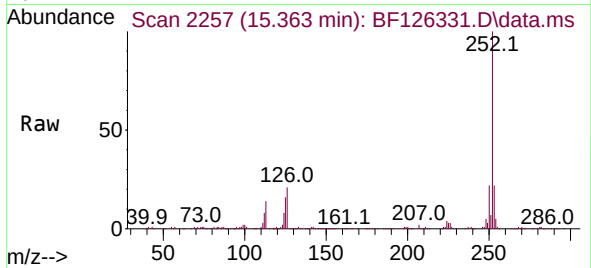
Tgt Ion:252 Resp: 96010
Ion Ratio Lower Upper
252 100
253 21.1 17.8 26.8
125 16.6 7.2 10.8





#90
Benzo(a)pyrene
Concen: 16.540 ng
RT: 15.363 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF126331.D
Acq: 22 Dec 2021 16:14

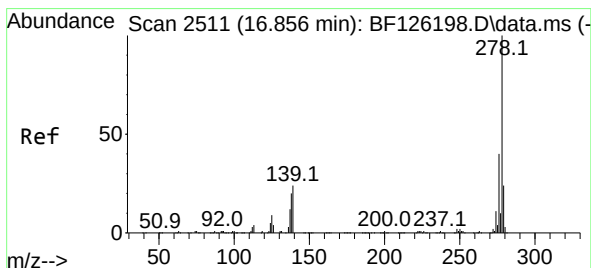
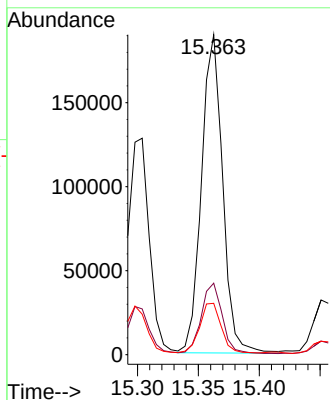
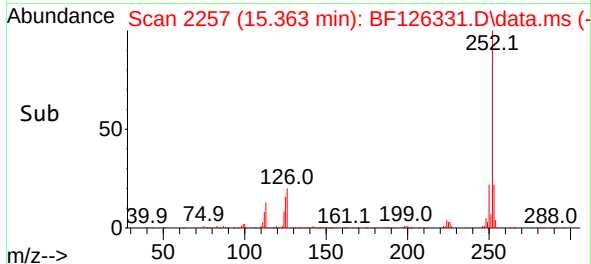
Instrument :
BNA_F
ClientSampleId :
SB-20-C2



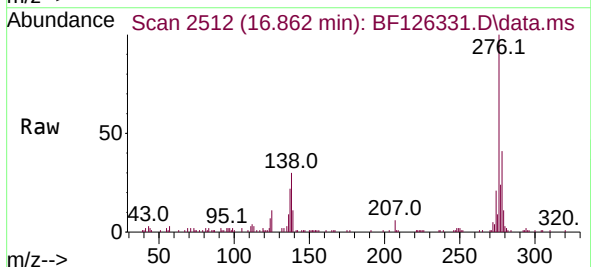
Tgt Ion:252 Resp: 229858
Ion Ratio Lower Upper
252 100
253 22.4 18.4 27.6
125 16.1 9.9 14.9

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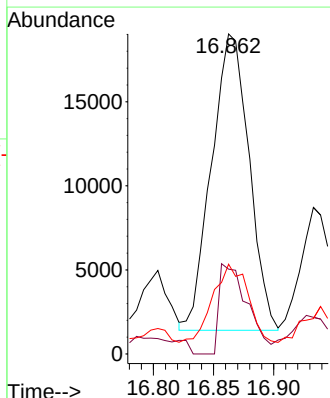
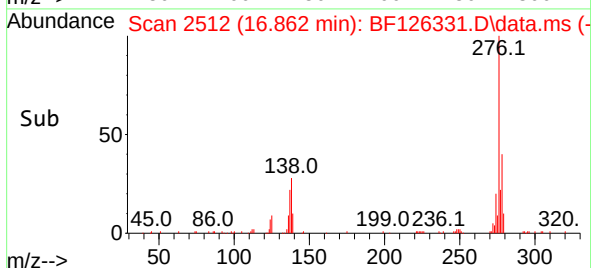
Reviewed By :Jagrut Upadhyay 12/23/2021
Supervised By :mohammad ahmed 12/29/2021

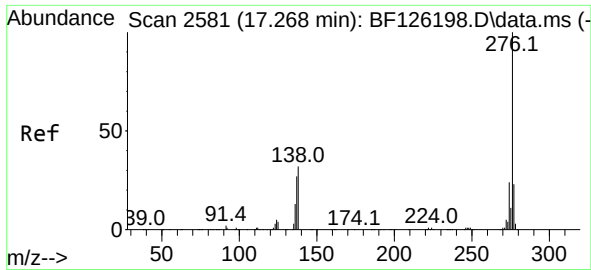


#91
Dibenzo(a,h)anthracene
Concen: 2.541 ng m
RT: 16.862 min Scan# 2512
Delta R.T. -0.017 min
Lab File: BF126331.D
Acq: 22 Dec 2021 16:14



Tgt Ion:278 Resp: 38348
Ion Ratio Lower Upper
278 100
139 26.5 14.9 22.3#
279 28.1 19.7 29.5





#92

Benzo(g,h,i)perylene

Concen: 8.323 ng

RT: 17.286 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF126331.D

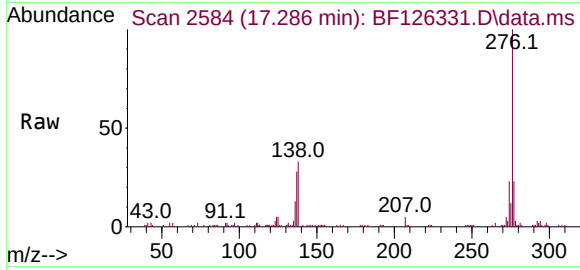
Acq: 22 Dec 2021 16:14

Instrument :

BNA_F

ClientSampleId :

SB-20-C2



Tgt Ion:276 Resp: 12994

Ion Ratio Lower Upper

276 100

277 23.4 22.0 33.0

138 33.1 22.2 33.4

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 12/23/2021

Supervised By :mohammad ahmed 12/29/2021

