

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122221\
 Data File : BF126336.D
 Acq On : 22 Dec 2021 18:52
 Operator : JU/CG
 Sample : M5198-01DL 10X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-91SB-22-C2DL

Quant Time: Dec 22 19:14:53 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

Manual Integrations
 APPROVED

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

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.816	152	121953	20.000	ng	0.00
21) Naphthalene-d8	8.098	136	456605	20.000	ng	# 0.00
39) Acenaphthene-d10	9.851	164	193058	20.000	ng	0.00
64) Phenanthrene-d10	11.339	188	293204	20.000	ng	# 0.00
76) Chrysene-d12	13.974	240	245578	20.000	ng	# 0.00
86) Perylene-d12	15.421	264	281360	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.422	112	55726	6.729	ng	0.00
7) Phenol-d6	6.434	99	75074	7.140	ng	-0.01
23) Nitrobenzene-d5	7.375	82	42816	5.079	ng	0.00
42) 2,4,6-Tribromophenol	10.639	330	5265	3.393	ng	0.00
45) 2-Fluorobiphenyl	9.175	172	71158	6.465	ng	0.00
79) Terphenyl-d14	12.922	244	66324	4.694	ng	0.00
Target Compounds						Qvalue
37) 2-Methylnaphthalene	8.810	142	40437	3.075	ng	96
38) 1-Methylnaphthalene	8.910	142	37272	2.921	ng	95
52) Acenaphthene	9.886	154	55178	5.185	ng	97
58) Fluorene	10.398	166	48545	4.628	ng	95
71) Phenanthrene	11.363	178	882567	58.320	ng	98
72) Anthracene	11.410	178	166300	10.948	ng	100
75) Fluoranthene	12.551	202	497225	36.468	ng	93
78) Pyrene	12.780	202	792654	35.133	ng	98
81) Benzo(a)anthracene	13.963	228	309654	21.287	ng	99
83) Chrysene	13.998	228	295845	19.574	ng	98
87) Indeno(1,2,3-cd)pyrene	16.851	276	93496	4.982	ng	97
88) Benzo(b)fluoranthene	15.004	252	237963m	14.076	ng	
89) Benzo(k)fluoranthene	15.027	252	81359m	5.031	ng	
90) Benzo(a)pyrene	15.363	252	207494	14.768	ng	# 94
92) Benzo(g,h,i)perylene	17.280	276	88451	5.604	ng	92

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

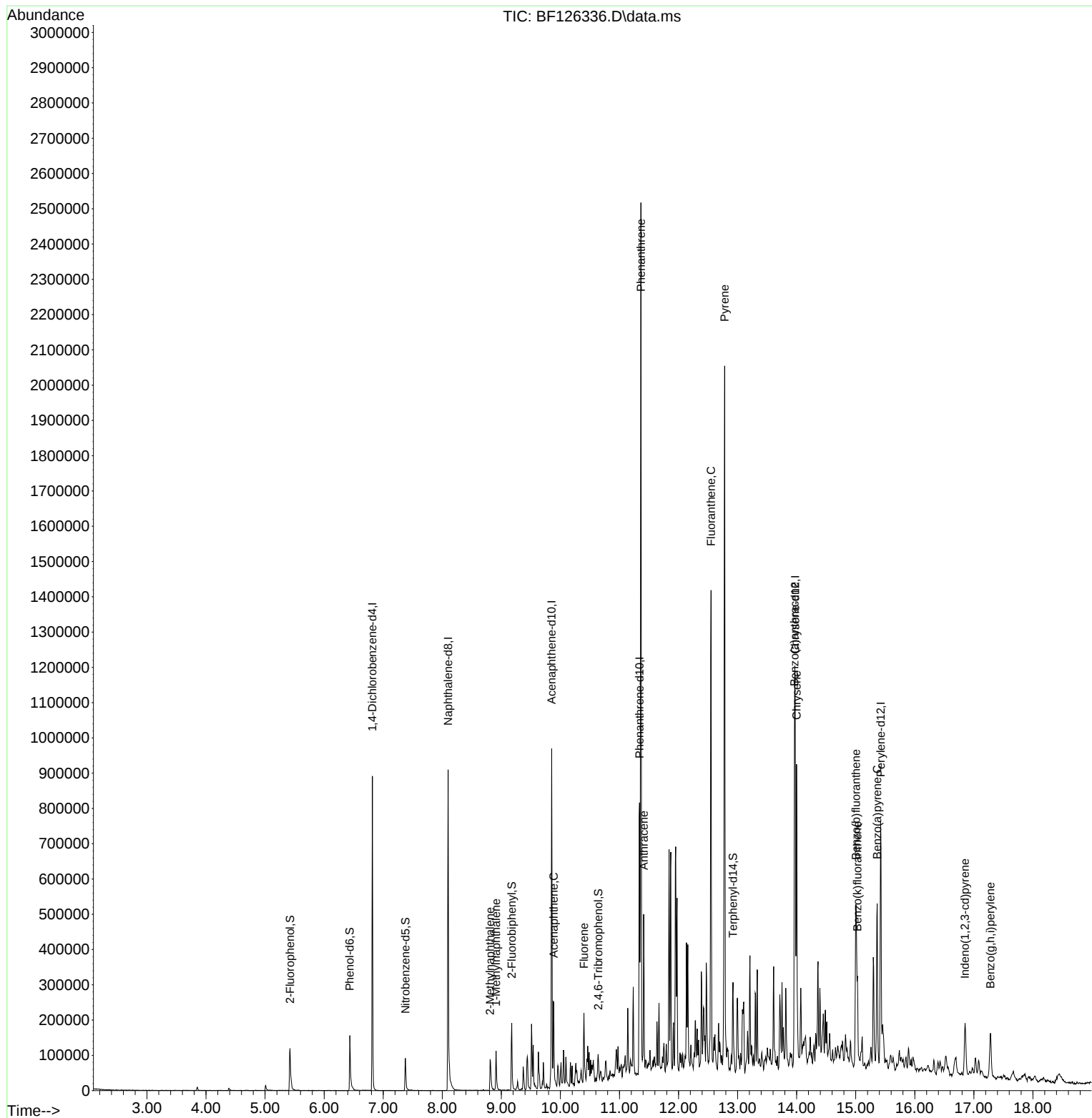
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122221\
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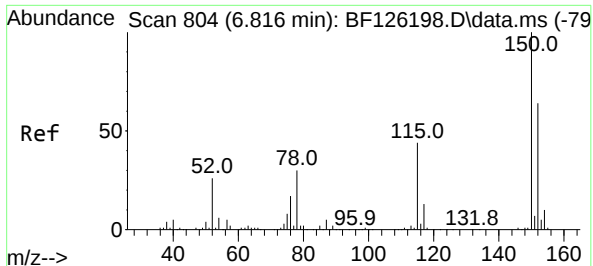
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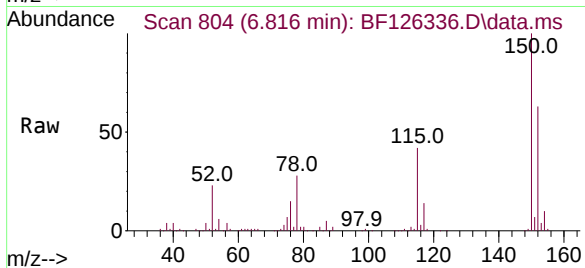
Quant Time: Dec 22 19:14:53 2021
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121521.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 22 13:00:11 2021
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.816 min Scan# 804
Delta R.T. 0.000 min
Lab File: BF126336.D
Acq: 22 Dec 2021 18:52

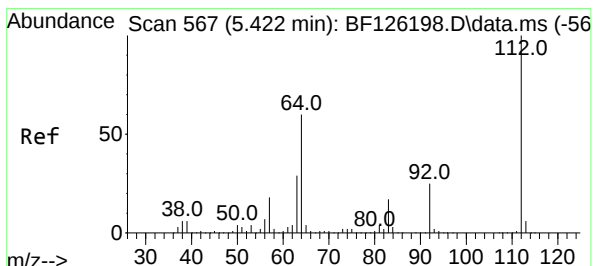
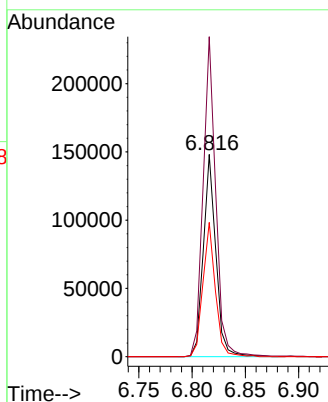
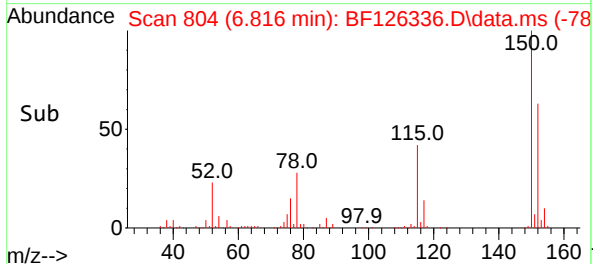
Instrument :
BNA_F
ClientSampleId :
SB-91SB-22-C2DL



Tgt Ion:152 Resp: 12195
Ion Ratio Lower Upper
152 100
150 158.2 117.6 176.4
115 66.4 47.1 70.7

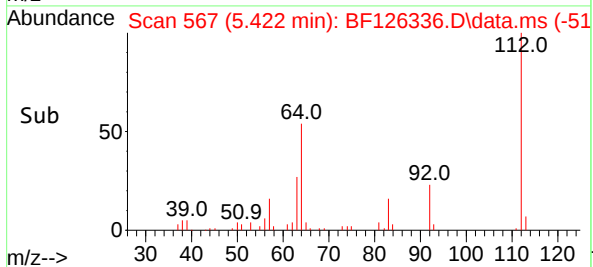
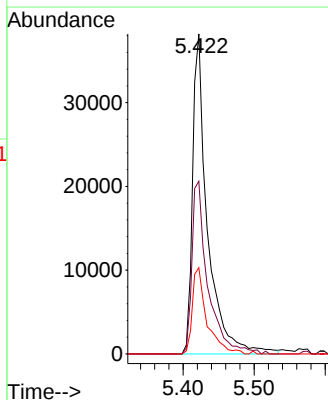
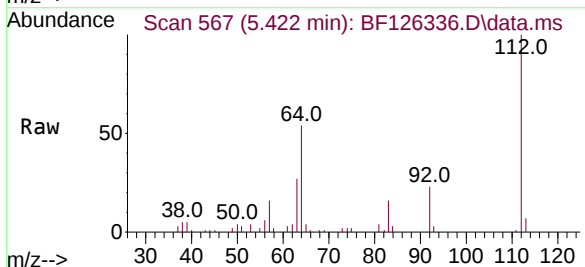
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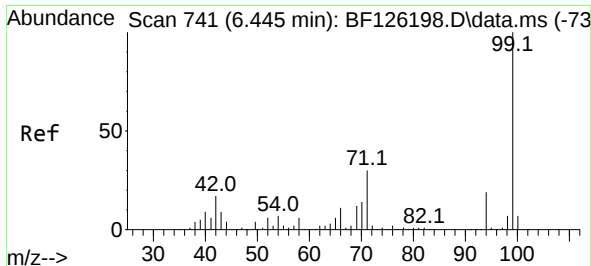
Reviewed By :Jagrut Upadhyay 12/23/2021
Supervised By :mohammad ahmed 12/29/2021



#5
2-Fluorophenol
Concen: 6.729 ng
RT: 5.422 min Scan# 567
Delta R.T. -0.006 min
Lab File: BF126336.D
Acq: 22 Dec 2021 18:52

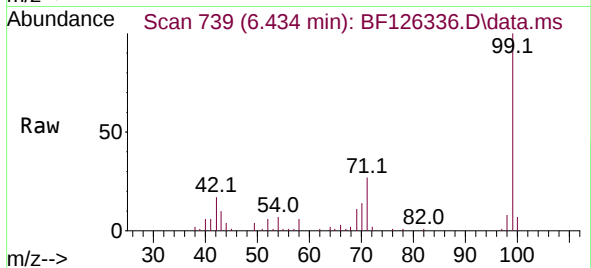
Tgt Ion:112 Resp: 55726
Ion Ratio Lower Upper
112 100
64 53.9 44.2 66.2
63 26.9 26.2 39.2





#7
Phenol-d6
Concen: 7.140 ng
RT: 6.434 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF126336.D
Acq: 22 Dec 2021 18:52

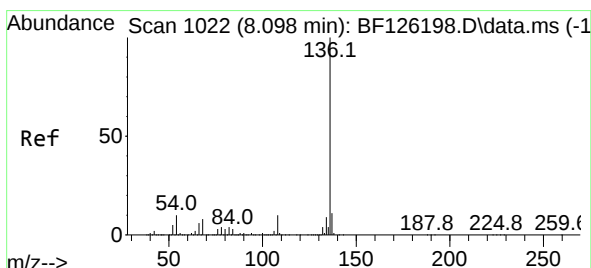
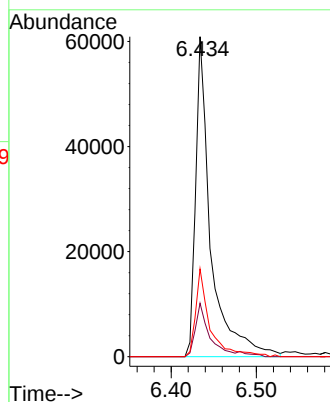
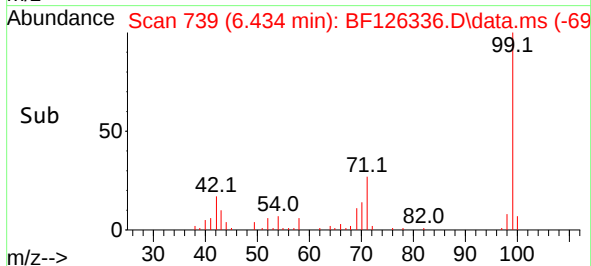
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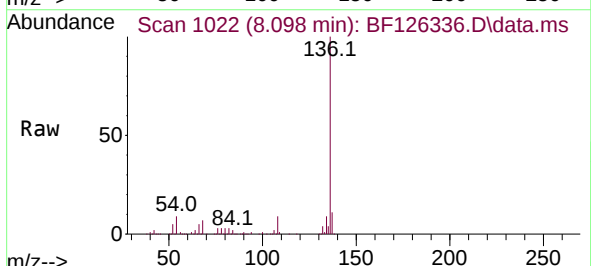
Tgt Ion: 99 Resp: 75074
Ion Ratio Lower Upper
99 100
42 16.7 23.5 35.3
71 27.4 25.6 38.4

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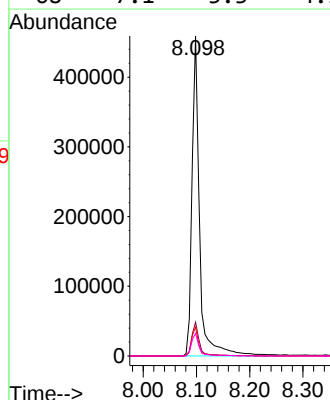
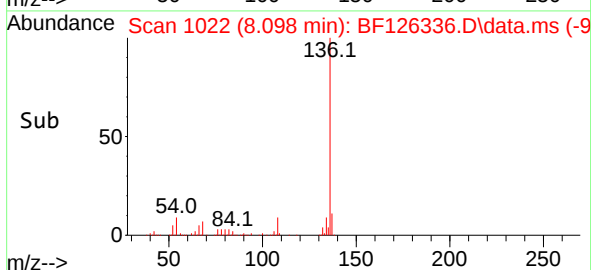
Reviewed By :Jagrut Upadhyay 12/23/2021
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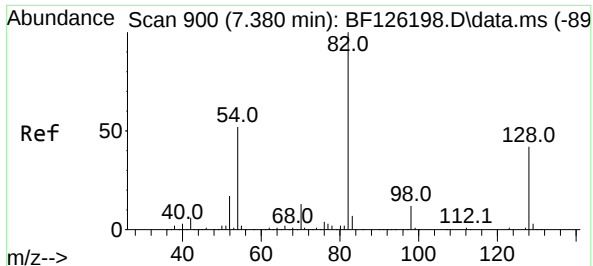


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.098 min Scan# 1022
Delta R.T. -0.006 min
Lab File: BF126336.D
Acq: 22 Dec 2021 18:52



Tgt Ion:136 Resp: 456605
Ion Ratio Lower Upper
136 100
137 10.5 9.8 14.6
54 9.0 6.4 9.6
68 7.1 3.3 4.9





#23

Nitrobenzene-d5

Concen: 5.079 ng

RT: 7.375 min Scan# 89

Delta R.T. -0.006 min

Lab File: BF126336.D

Acq: 22 Dec 2021 18:52

Instrument :

BNA_F

ClientSampleId :

SB-91SB-22-C2DL

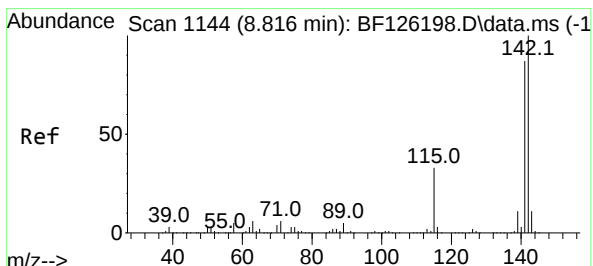
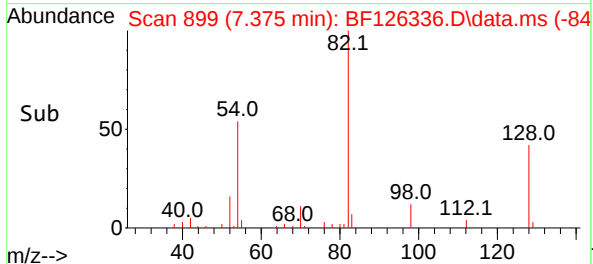
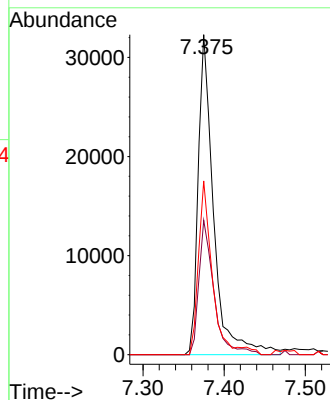
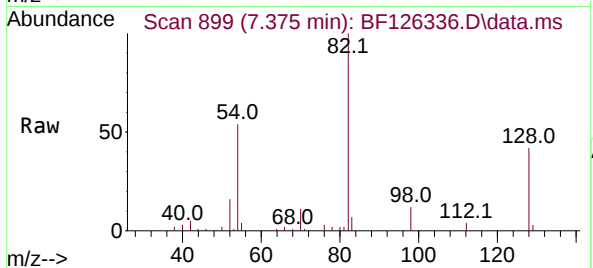
Tgt Ion: 82 Resp: 42810

Ion	Ratio	Lower	Upper
82	100		
128	42.0	40.6	60.8
54	54.3	49.6	74.4

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#37

2-Methylnaphthalene

Concen: 3.075 ng

RT: 8.810 min Scan# 1143

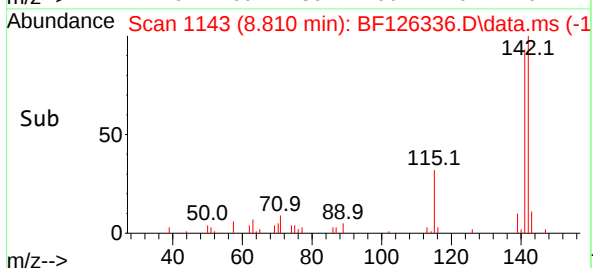
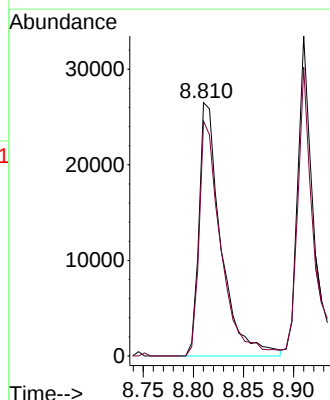
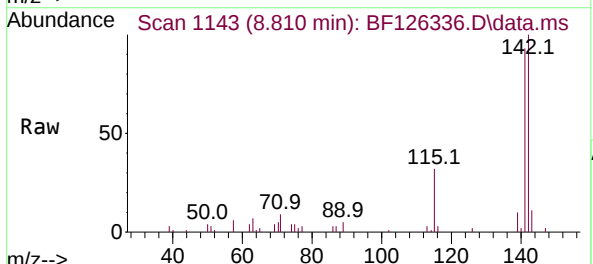
Delta R.T. -0.006 min

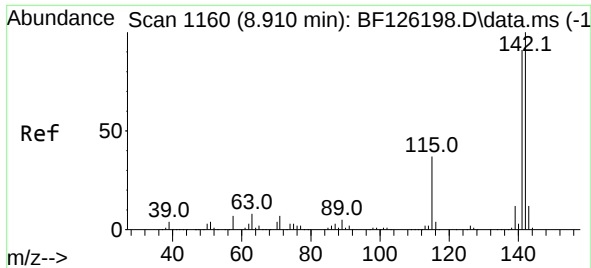
Lab File: BF126336.D

Acq: 22 Dec 2021 18:52

Tgt Ion:142 Resp: 40437

Ion	Ratio	Lower	Upper
142	100		
141	92.7	71.2	106.8





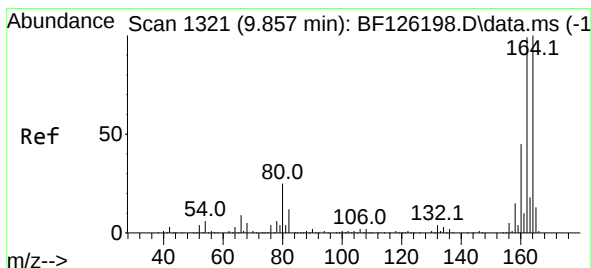
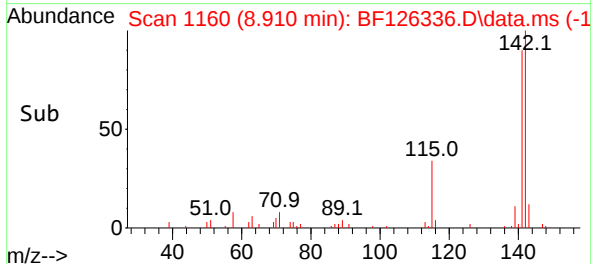
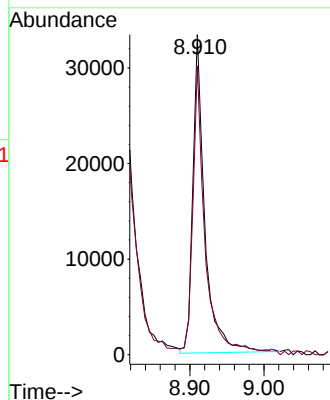
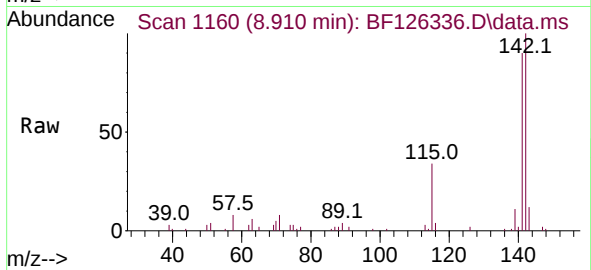
#38
1-Methylnaphthalene
Concen: 2.921 ng
RT: 8.910 min Scan# 1160
Delta R.T. -0.006 min
Lab File: BF126336.D
Acq: 22 Dec 2021 18:52

Instrument :
BNA_F
ClientSampleId :
SB-91SB-22-C2DL

Tgt Ion:142 Resp: 37272
Ion Ratio Lower Upper
142 100
141 90.3 76.0 114.0

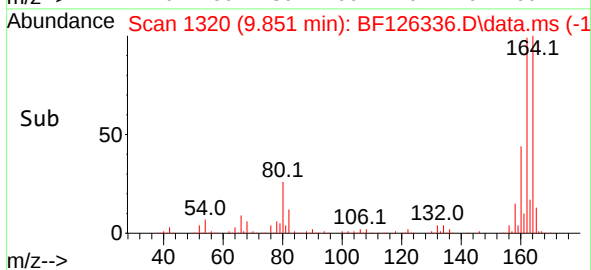
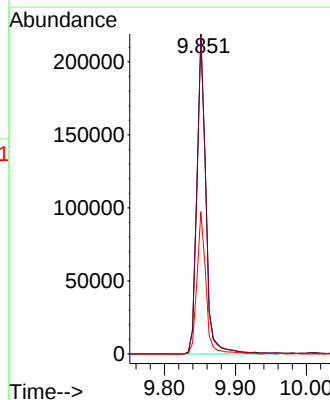
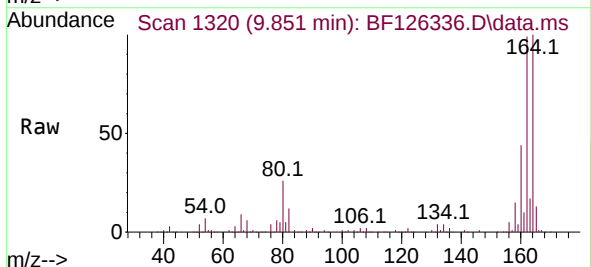
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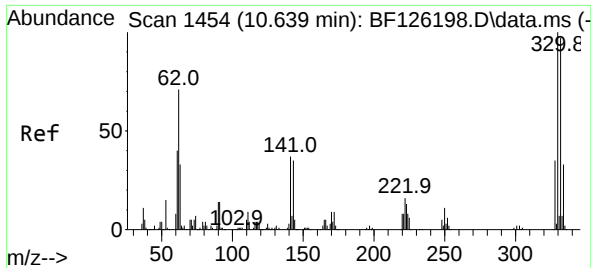
Reviewed By :Jagrut Upadhyay 12/23/2021
Supervised By :mohammad ahmed 12/29/2021



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.851 min Scan# 1320
Delta R.T. -0.006 min
Lab File: BF126336.D
Acq: 22 Dec 2021 18:52

Tgt Ion:164 Resp: 193058
Ion Ratio Lower Upper
164 100
162 99.3 81.3 121.9
160 44.4 38.0 57.0





#42
2,4,6-Tribromophenol
Concen: 3.393 ng
RT: 10.639 min Scan# 1454
Delta R.T. -0.006 min
Lab File: BF126336.D
Acq: 22 Dec 2021 18:52

Instrument :

BNA_F

ClientSampleId :

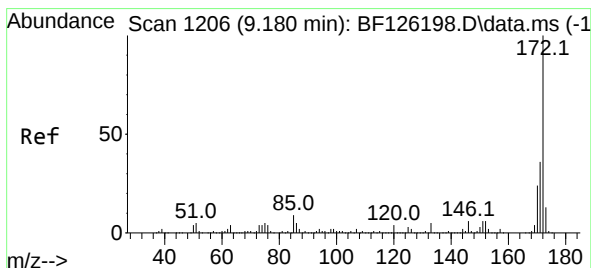
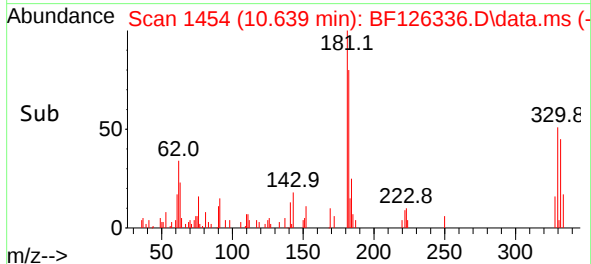
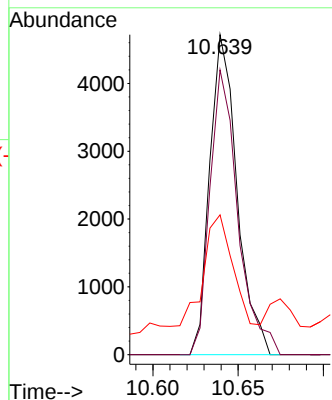
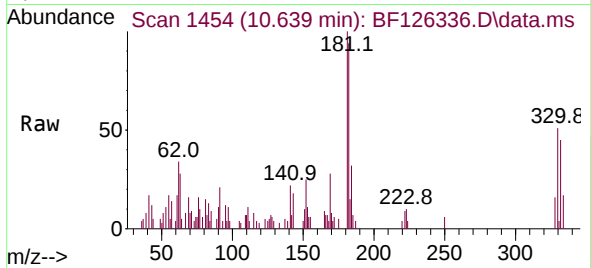
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Tgt Ion: 330 Resp: 526
Ion Ratio Lower Upper
330 100
332 91.1 76.2 114.4
141 46.2 44.6 66.8

Manual Integrations

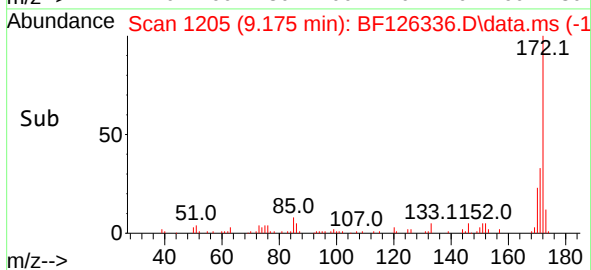
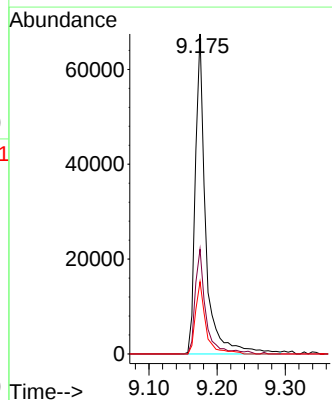
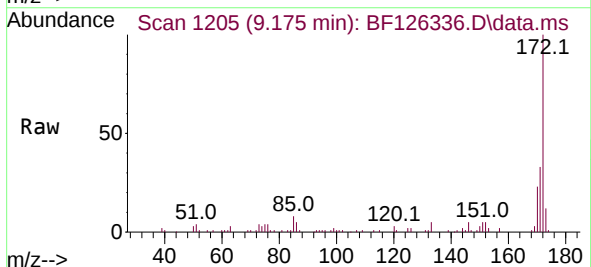
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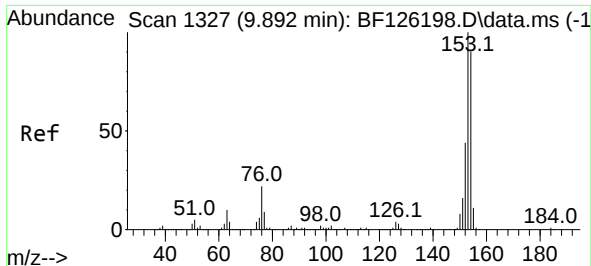
Reviewed By :Jagrut Upadhyay 12/23/2021
Supervised By :mohammad ahmed 12/29/2021



#45
2-Fluorobiphenyl
Concen: 6.465 ng
RT: 9.175 min Scan# 1205
Delta R.T. -0.006 min
Lab File: BF126336.D
Acq: 22 Dec 2021 18:52

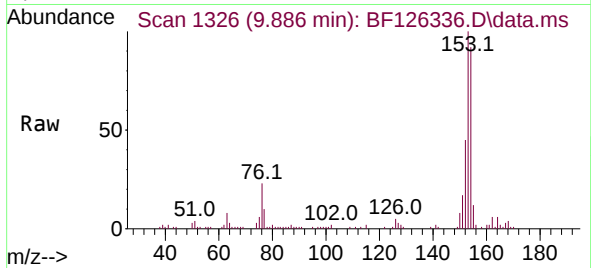
Tgt Ion: 172 Resp: 71158
Ion Ratio Lower Upper
172 100
171 32.7 26.5 39.7
170 22.6 18.8 28.2





#52
Acenaphthene
Concen: 5.185 ng
RT: 9.886 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF126336.D
Acq: 22 Dec 2021 18:52

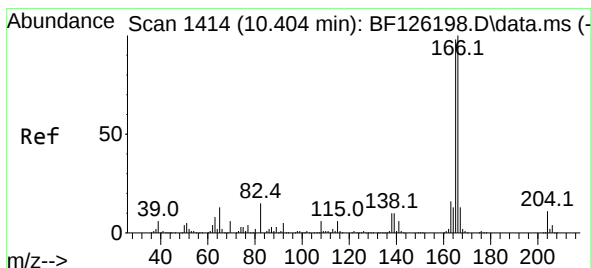
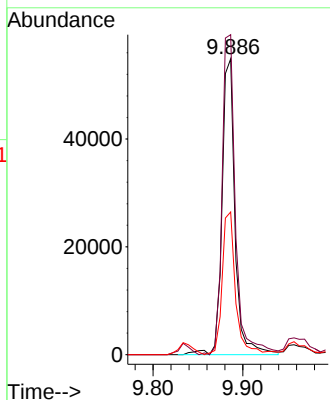
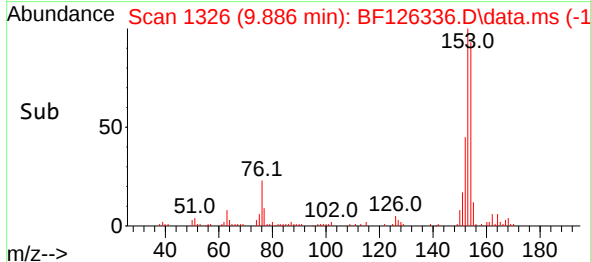
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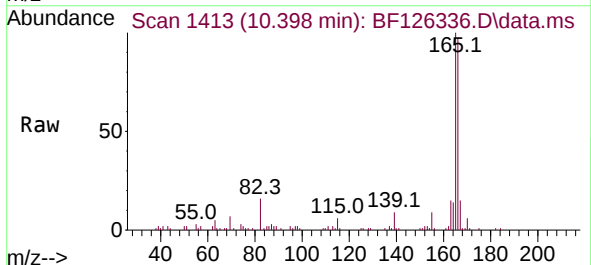
Tgt Ion:154 Resp: 55178
Ion Ratio Lower Upper
154 100
153 108.2 89.4 134.2
152 48.3 40.5 60.7

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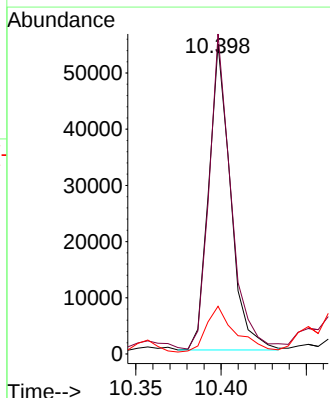
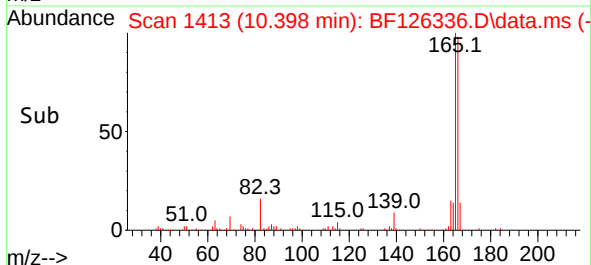
Reviewed By :Jagrut Upadhyay 12/23/2021
Supervised By :mohammad ahmed 12/29/2021

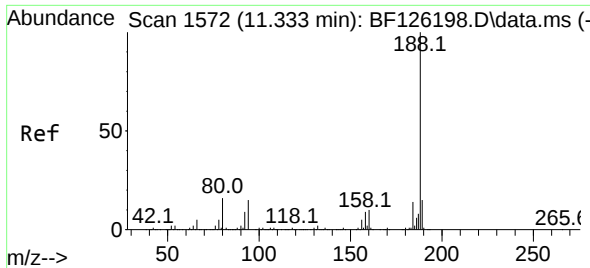


#58
Fluorene
Concen: 4.628 ng
RT: 10.398 min Scan# 1413
Delta R.T. -0.006 min
Lab File: BF126336.D
Acq: 22 Dec 2021 18:52



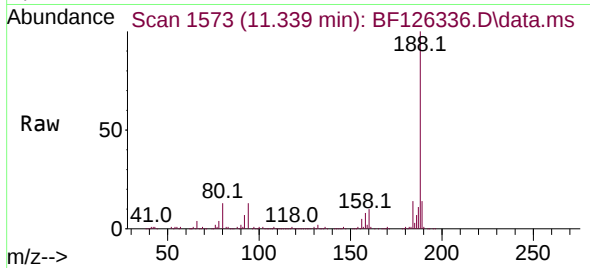
Tgt Ion:166 Resp: 48545
Ion Ratio Lower Upper
166 100
165 103.2 78.1 117.1
167 15.4 11.1 16.7





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.339 min Scan# 1573
Delta R.T. 0.000 min
Lab File: BF126336.D
Acq: 22 Dec 2021 18:52

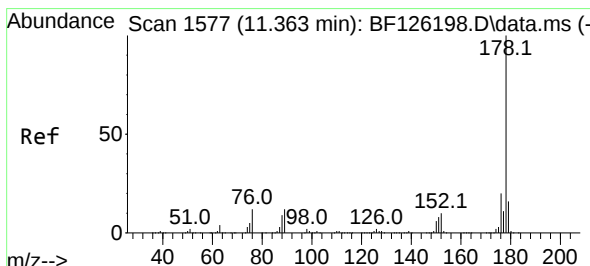
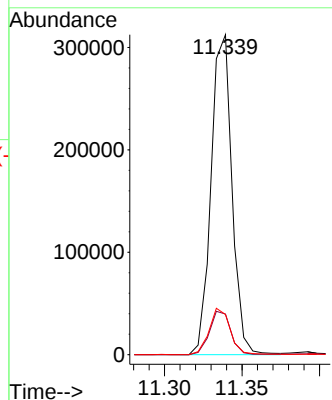
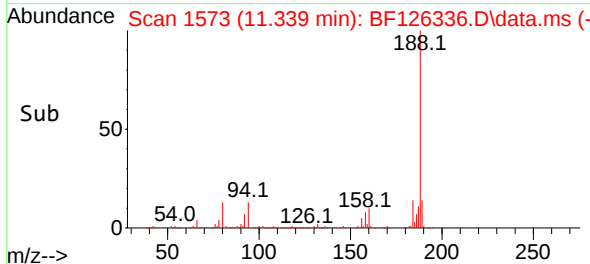
Instrument :
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ClientSampleId :
SB-91SB-22-C2DL



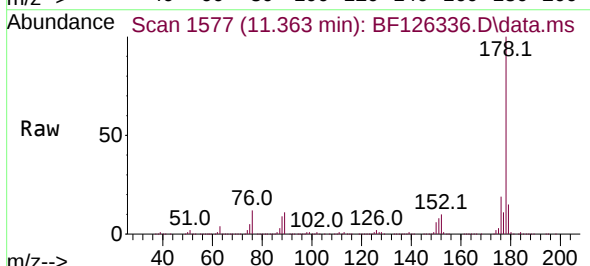
Tgt Ion:188 Resp: 293204
Ion Ratio Lower Upper
188 100
94 12.7 6.7 10.1
80 12.5 7.5 11.3

Manual Integrations
APPROVED

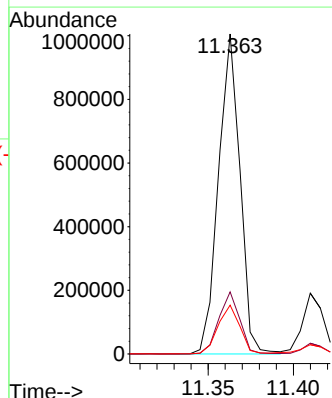
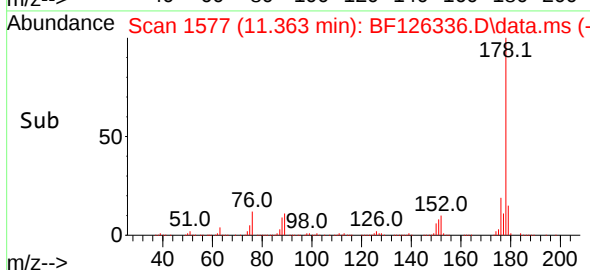
Reviewed By :Jagrut Upadhyay 12/23/2021
Supervised By :mohammad ahmed 12/29/2021

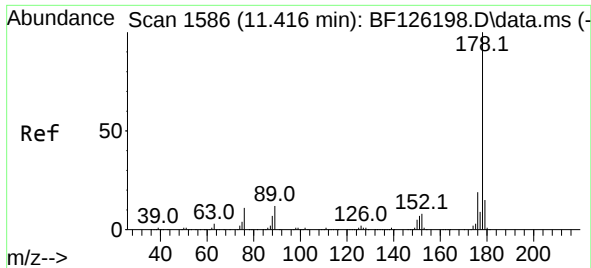


#71
Phenanthrene
Concen: 58.320 ng
RT: 11.363 min Scan# 1577
Delta R.T. 0.000 min
Lab File: BF126336.D
Acq: 22 Dec 2021 18:52



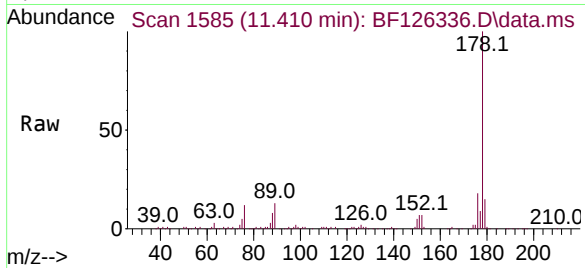
Tgt Ion:178 Resp: 882567
Ion Ratio Lower Upper
178 100
176 19.4 14.7 22.1
179 15.3 11.5 17.3





#72
 Anthracene
 Concen: 10.948 ng
 RT: 11.410 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF126336.D
 Acq: 22 Dec 2021 18:52

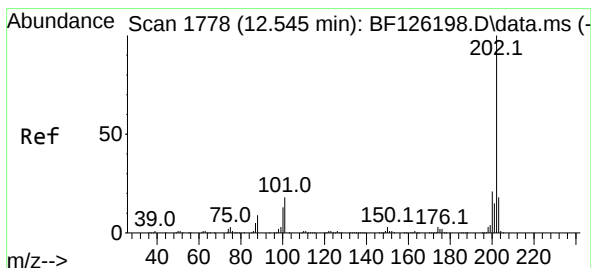
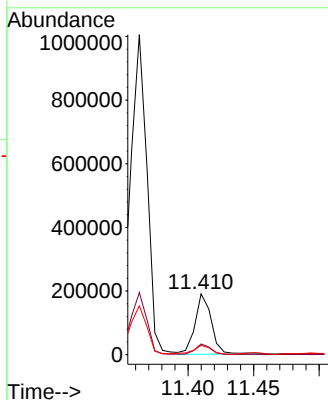
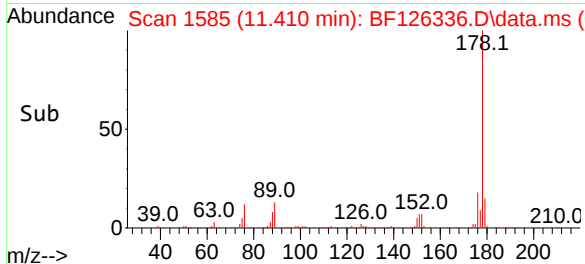
Instrument :
 BNA_F
 ClientSampleId :
 SB-91SB-22-C2DL



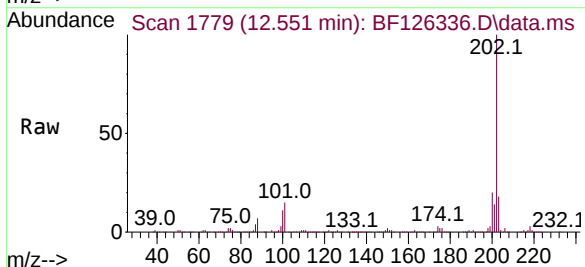
Tgt Ion:178 Resp: 166300
 Ion Ratio Lower Upper
 178 100
 176 17.7 14.3 21.5
 179 15.3 12.2 18.4

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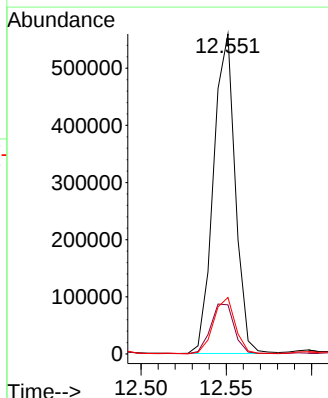
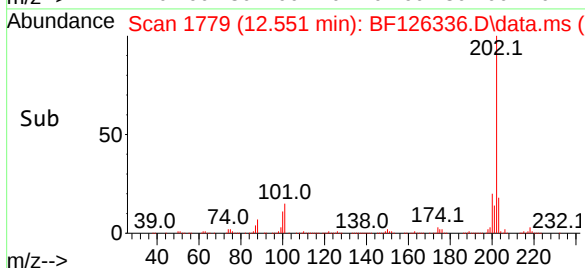
Reviewed By :Jagrut Upadhyay 12/23/2021
 Supervised By :mohammad ahmed 12/29/2021

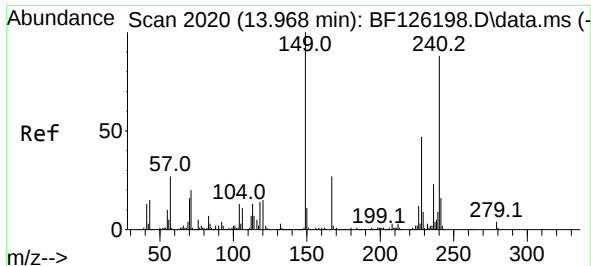


#75
 Fluoranthene
 Concen: 36.468 ng
 RT: 12.551 min Scan# 1779
 Delta R.T. 0.000 min
 Lab File: BF126336.D
 Acq: 22 Dec 2021 18:52



Tgt Ion:202 Resp: 497225
 Ion Ratio Lower Upper
 202 100
 101 15.3 0.0 30.7
 203 17.6 0.0 36.3





#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.974 min Scan# 2020
Delta R.T. -0.006 min
Lab File: BF126336.D
Acq: 22 Dec 2021 18:52

Instrument :

BNA_F

ClientSampleId :

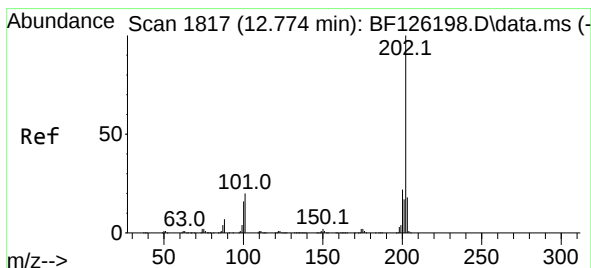
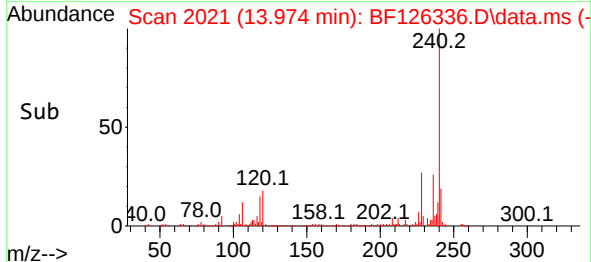
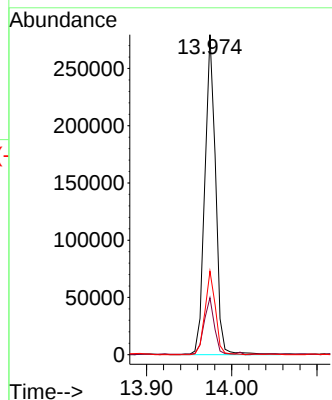
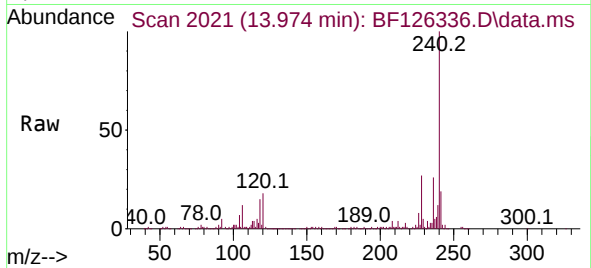
SB-91SB-22-C2DL

Tgt Ion:240 Resp: 245578
Ion Ratio Lower Upper
240 100
120 17.8 10.8 16.2
236 26.1 21.6 32.4

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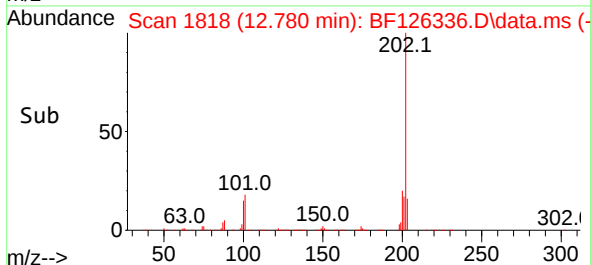
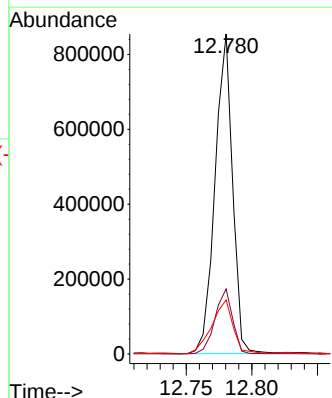
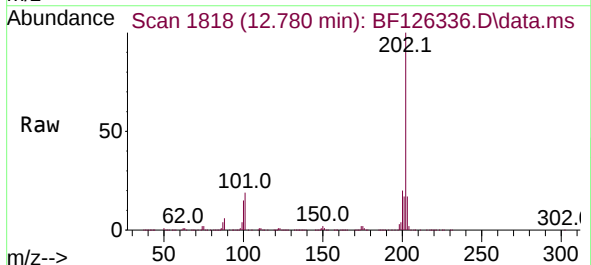
APPROVED

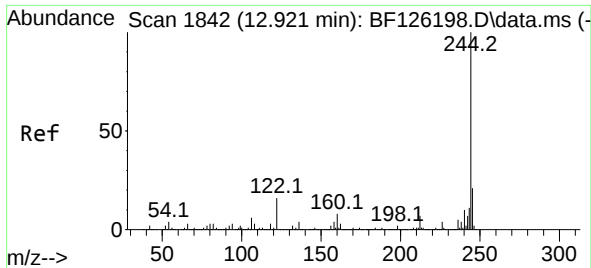
Reviewed By :Jagrut Upadhyay 12/23/2021
Supervised By :mohammad ahmed 12/29/2021



#78
Pyrene
Concen: 35.133 ng
RT: 12.780 min Scan# 1818
Delta R.T. 0.000 min
Lab File: BF126336.D
Acq: 22 Dec 2021 18:52

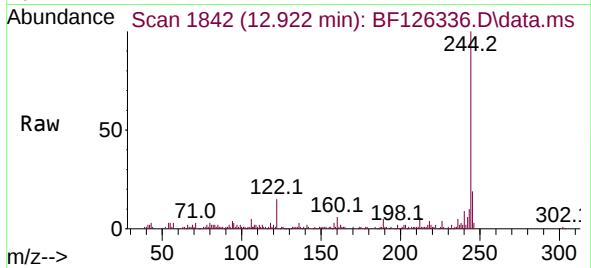
Tgt Ion:202 Resp: 792654
Ion Ratio Lower Upper
202 100
200 20.3 15.3 22.9
203 16.9 13.4 20.0





#79
Terphenyl-d14
Concen: 4.694 ng
RT: 12.922 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF126336.D
Acq: 22 Dec 2021 18:52

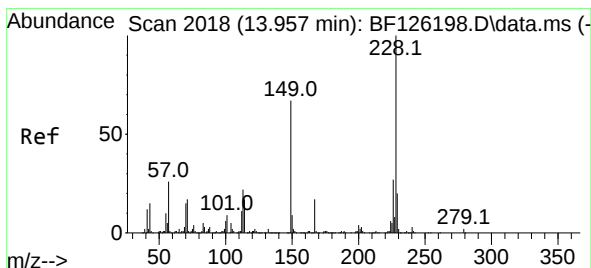
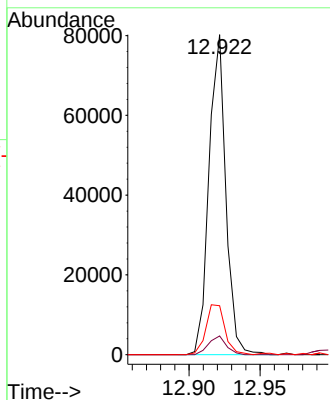
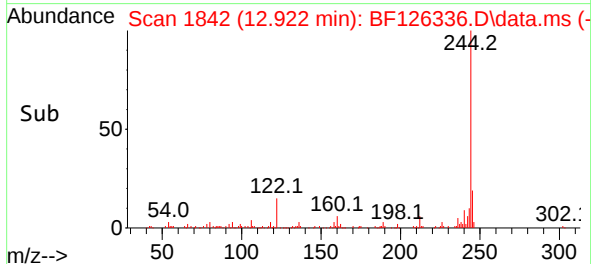
Instrument :
BNA_F
ClientSampleId :
SB-91SB-22-C2DL



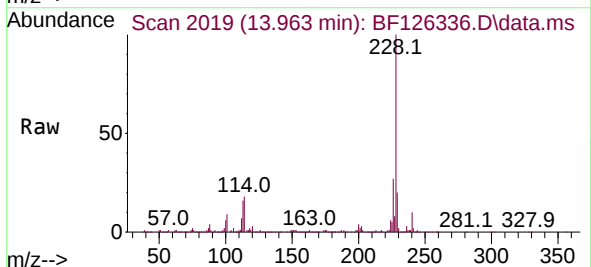
Tgt Ion:244 Resp: 66324
Ion Ratio Lower Upper
244 100
212 5.8 5.9 8.9
122 15.3 9.0 13.4

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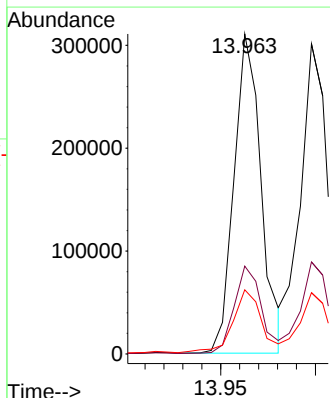
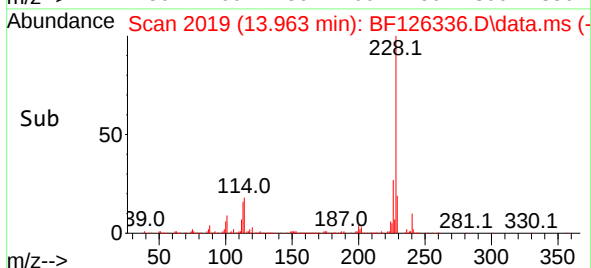
Reviewed By :Jagrut Upadhyay 12/23/2021
Supervised By :mohammad ahmed 12/29/2021

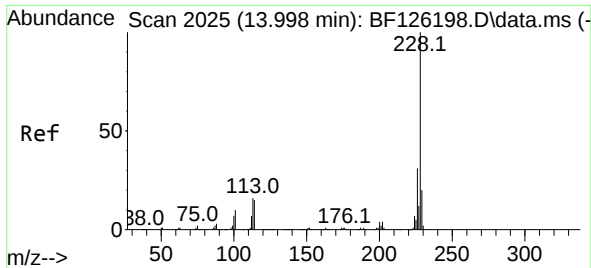


#81
Benzo(a)anthracene
Concen: 21.287 ng
RT: 13.963 min Scan# 2019
Delta R.T. -0.006 min
Lab File: BF126336.D
Acq: 22 Dec 2021 18:52



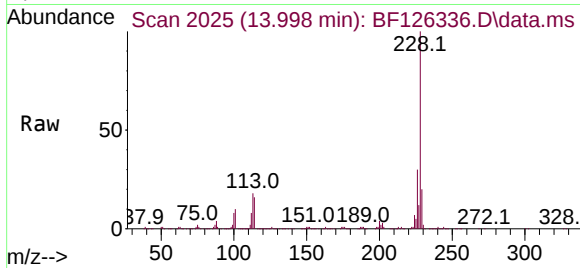
Tgt Ion:228 Resp: 309654
Ion Ratio Lower Upper
228 100
226 27.5 21.6 32.4
229 20.1 15.6 23.4





#83
Chrysene
Concen: 19.574 ng
RT: 13.998 min Scan# 2025
Delta R.T. -0.006 min
Lab File: BF126336.D
Acq: 22 Dec 2021 18:52

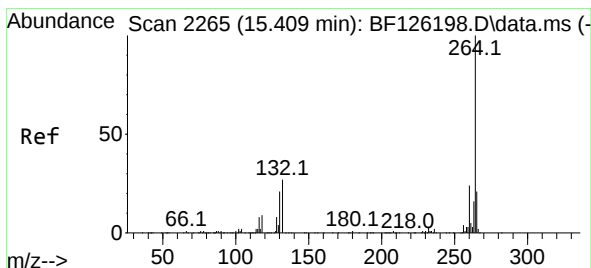
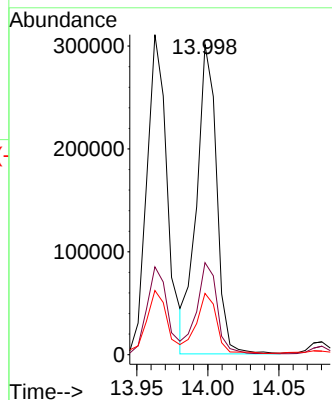
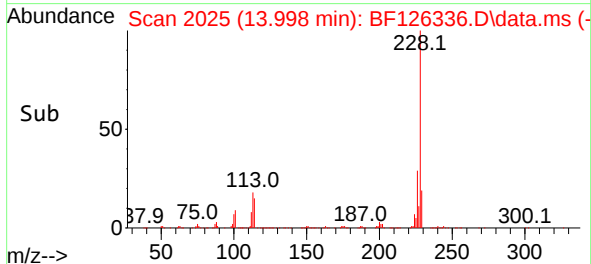
Instrument :
BNA_F
ClientSampleId :
SB-91SB-22-C2DL



Tgt Ion:228 Resp: 29584
Ion Ratio Lower Upper
228 100
226 29.7 22.6 34.0
229 19.8 15.9 23.9

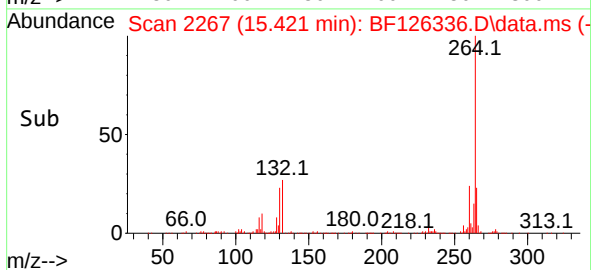
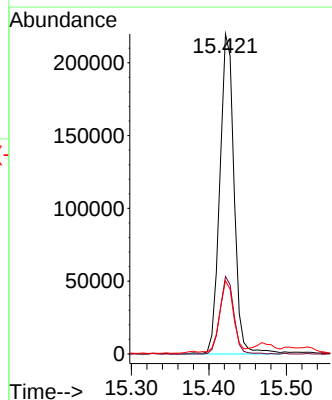
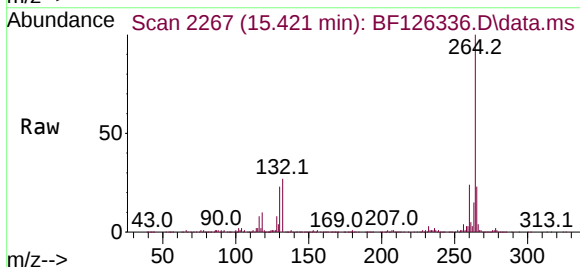
Manual Integrations
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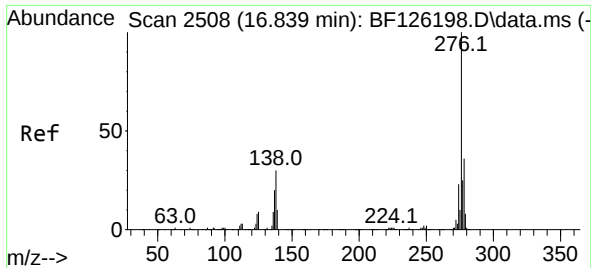
Reviewed By :Jagrut Upadhyay 12/23/2021
Supervised By :mohammad ahmed 12/29/2021



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.421 min Scan# 2267
Delta R.T. -0.006 min
Lab File: BF126336.D
Acq: 22 Dec 2021 18:52

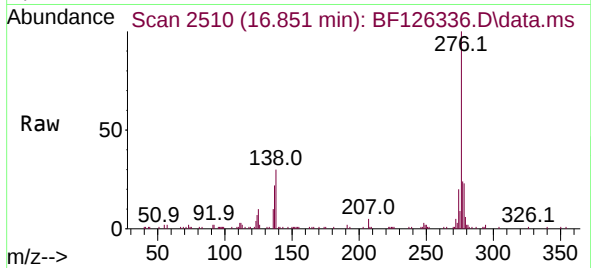
Tgt Ion:264 Resp: 281360
Ion Ratio Lower Upper
264 100
260 24.2 19.6 29.4
265 22.9 17.2 25.8





#87
Indeno(1,2,3-cd)pyrene
Concen: 4.982 ng
RT: 16.851 min Scan# 2110
Delta R.T. -0.012 min
Lab File: BF126336.D
Acq: 22 Dec 2021 18:52

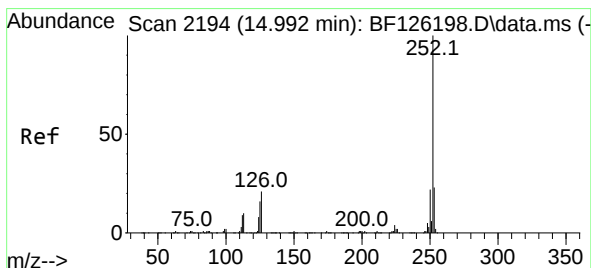
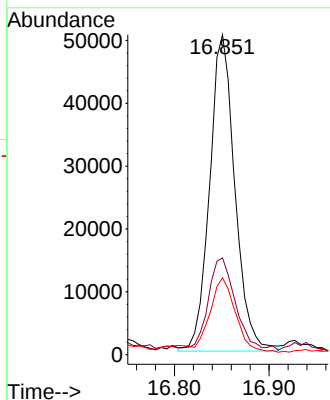
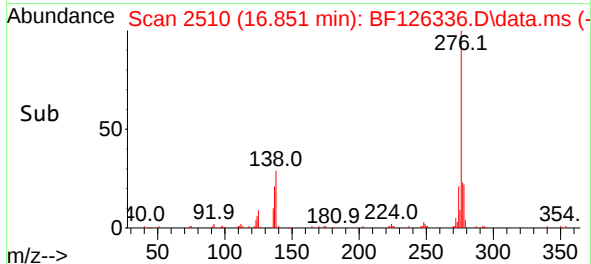
Instrument :
BNA_F
ClientSampleId :
SB-91SB-22-C2DL



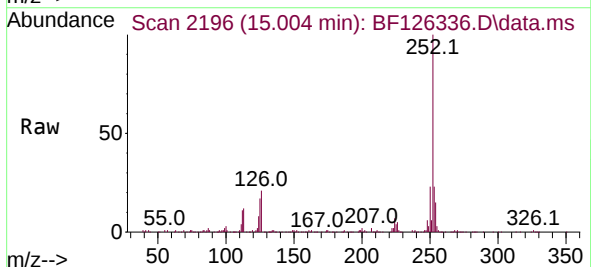
Tgt Ion:276 Resp: 93490
Ion Ratio Lower Upper
276 100
138 31.9 24.1 36.1
277 24.5 18.8 28.2

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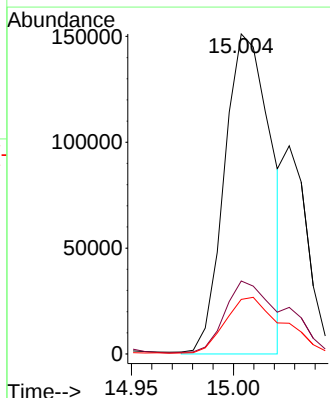
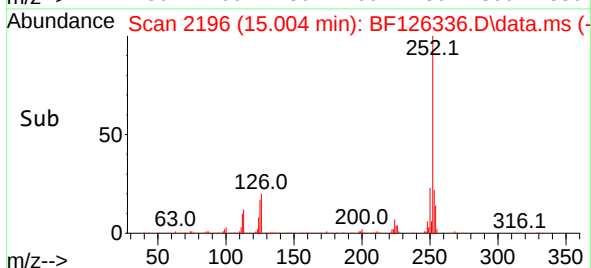
Reviewed By :Jagrut Upadhyay 12/23/2021
Supervised By :mohammad ahmed 12/29/2021

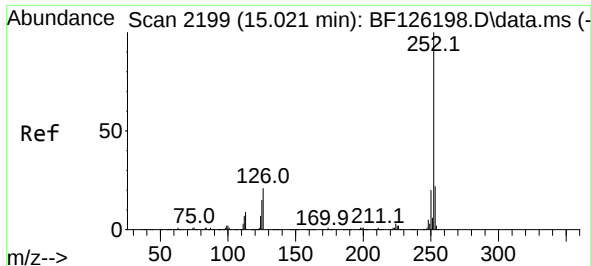


#88
Benzo(b)fluoranthene
Concen: 14.076 ng m
RT: 15.004 min Scan# 2196
Delta R.T. 0.000 min
Lab File: BF126336.D
Acq: 22 Dec 2021 18:52



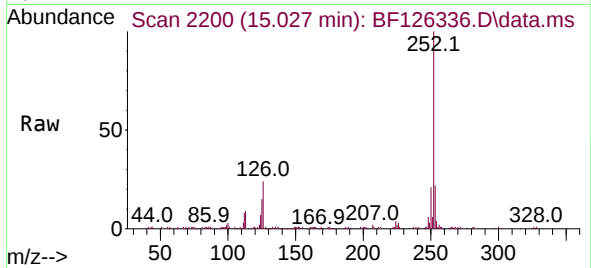
Tgt Ion:252 Resp: 237963
Ion Ratio Lower Upper
252 100
253 22.8 16.8 25.2
125 17.1 9.8 14.8#





#89
Benzo(k)fluoranthene
Concen: 5.031 ng m
RT: 15.027 min Scan# 2199
Delta R.T. -0.006 min
Lab File: BF126336.D
Acq: 22 Dec 2021 18:52

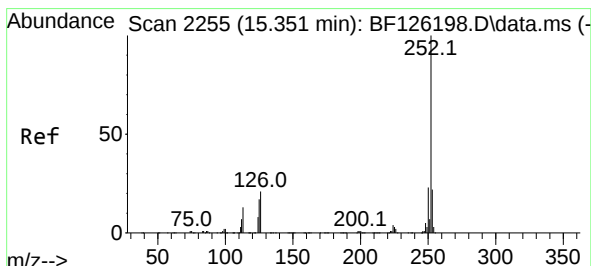
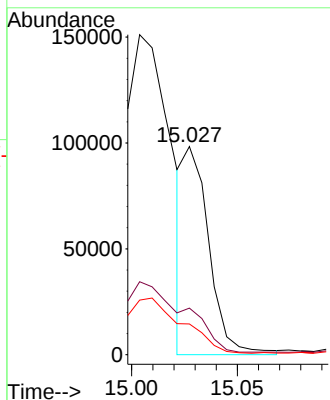
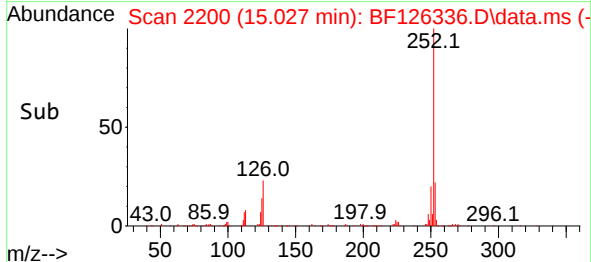
Instrument :
BNA_F
ClientSampleId :
SB-91SB-22-C2DL



Tgt Ion:252 Resp: 81359
Ion Ratio Lower Upper
252 100
253 22.3 17.8 26.8
125 14.8 7.2 10.8

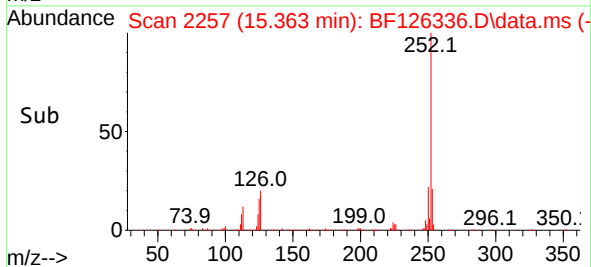
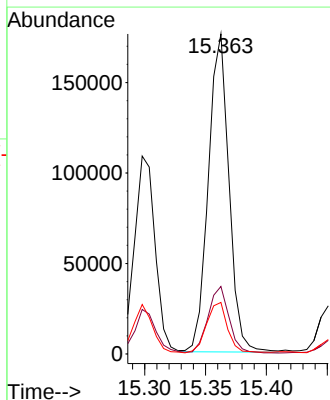
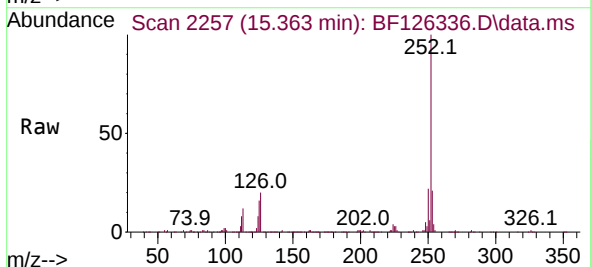
Manual Integrations
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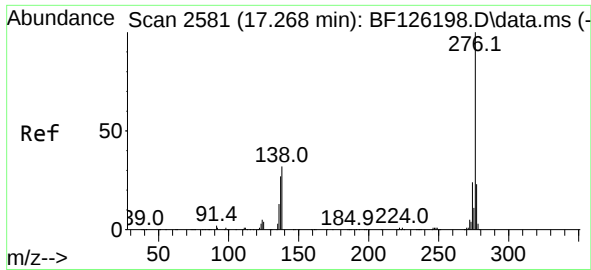
Reviewed By :Jagrut Upadhyay 12/23/2021
Supervised By :mohammad ahmed 12/29/2021



#90
Benzo(a)pyrene
Concen: 14.768 ng
RT: 15.363 min Scan# 2257
Delta R.T. 0.000 min
Lab File: BF126336.D
Acq: 22 Dec 2021 18:52

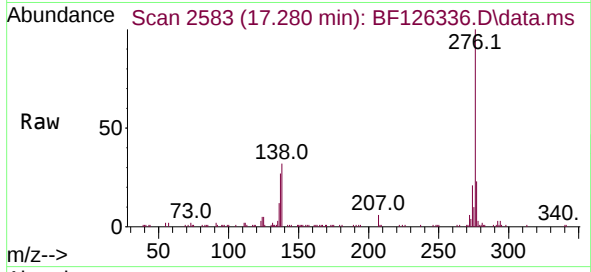
Tgt Ion:252 Resp: 207494
Ion Ratio Lower Upper
252 100
253 21.1 18.4 27.6
125 16.1 9.9 14.9





#92
 Benzo(g,h,i)perylene
 Concen: 5.604 ng
 RT: 17.280 min Scan# 2581
 Delta R.T. -0.017 min
 Lab File: BF126336.D
 Acq: 22 Dec 2021 18:52

Instrument :
 BNA_F
 ClientSampleId :
 SB-91SB-22-C2DL



Tgt Ion: 276 Resp: 8845
 Ion Ratio Lower Upper
 276 100
 277 23.5 22.0 33.0
 138 32.2 22.2 33.4

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

