

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122221\
 Data File : BF126337.D
 Acq On : 22 Dec 2021 19:24
 Operator : JU/CG
 Sample : M5198-02DL 50X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-91SB-22-G2DL

Manual Integrations
 APPROVED

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

Quant Time: Dec 22 20:08:22 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	115266	20.000	ng	0.00
21) Naphthalene-d8	8.098	136	430987	20.000	ng	# 0.00
39) Acenaphthene-d10	9.851	164	180568	20.000	ng	0.00
64) Phenanthrene-d10	11.339	188	278160	20.000	ng	# 0.00
76) Chrysene-d12	13.974	240	236419	20.000	ng	# 0.00
86) Perylene-d12	15.421	264	274852	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.434	112	3305	0.422	ng	0.00
7) Phenol-d6	6.434	99	14995	1.509	ng	-0.01
23) Nitrobenzene-d5	7.387	82	9218	1.158	ng	0.00
42) 2,4,6-Tribromophenol	0.000	330	0	0.000	ng	
45) 2-Fluorobiphenyl	9.175	172	16637	1.616	ng	0.00
79) Terphenyl-d14	12.922	244	17407	1.280	ng	0.00
Target Compounds						Qvalue
37) 2-Methylnaphthalene	8.816	142	36090	2.908	ng	98
38) 1-Methylnaphthalene	8.910	142	35884	2.979	ng	99
52) Acenaphthene	9.886	154	48477	4.870	ng	95
58) Fluorene	10.398	166	34919	3.559	ng	# 92
71) Phenanthrene	11.363	178	734876	51.187	ng	97
72) Anthracene	11.410	178	123442	8.566	ng	98
75) Fluoranthene	12.551	202	372562	28.803	ng	94
78) Pyrene	12.780	202	582689	26.827	ng	97
81) Benzo(a)anthracene	13.963	228	224910	16.060	ng	99
83) Chrysene	13.998	228	209144	14.374	ng	98
87) Indeno(1,2,3-cd)pyrene	16.851	276	65243	3.559	ng	94
88) Benzo(b)fluoranthene	15.004	252	174079m	10.541	ng	
89) Benzo(k)fluoranthene	15.027	252	51013m	3.229	ng	
90) Benzo(a)pyrene	15.357	252	141970	10.343	ng	# 94
92) Benzo(g,h,i)perylene	17.274	276	66805	4.333	ng	91

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

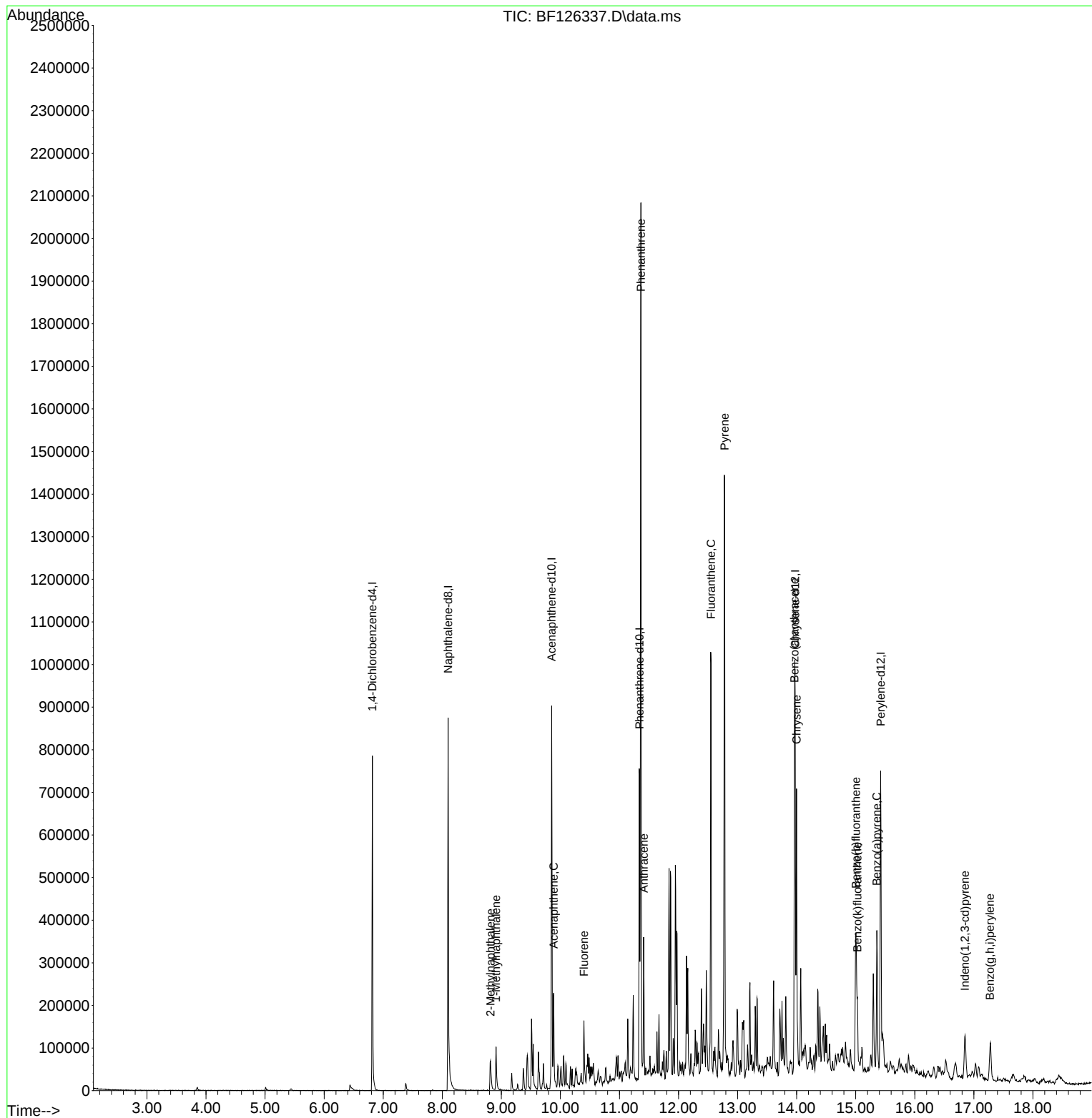
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122221\
Data File : BF126337.D
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ALS Vial : 17 Sample Multiplier: 1

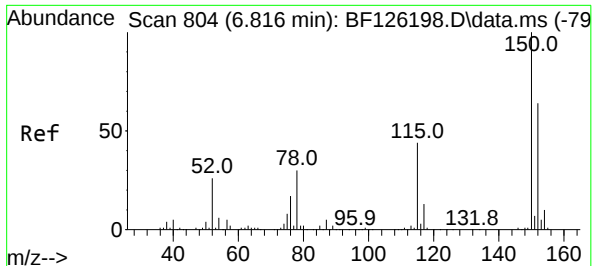
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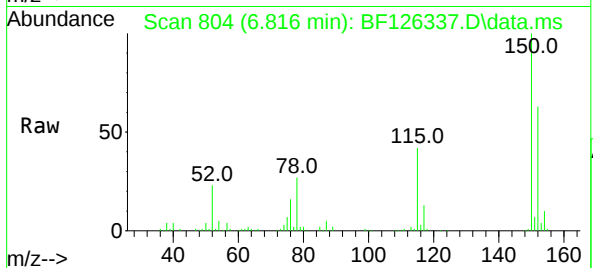
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121521.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 22 13:00:11 2021
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.816 min Scan# 804
Delta R.T. 0.000 min
Lab File: BF126337.D
Acq: 22 Dec 2021 19:24

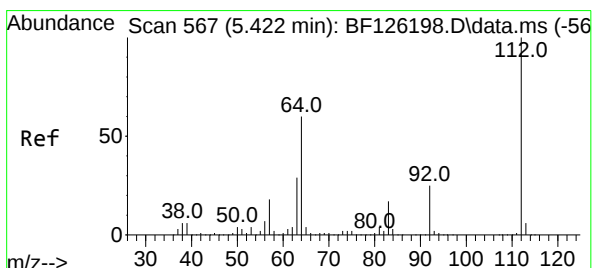
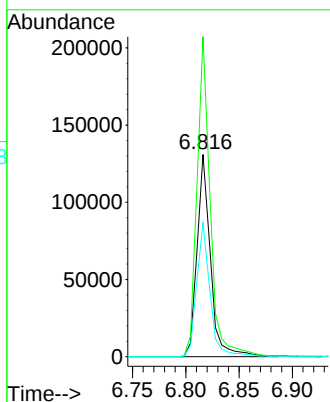
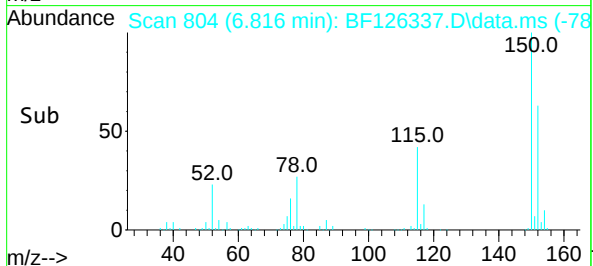
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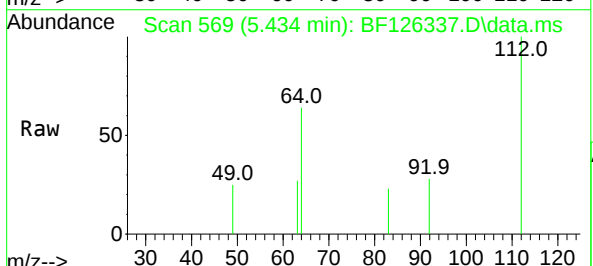
Tgt Ion:152 Resp: 115260
Ion Ratio Lower Upper
152 100
150 158.2 117.6 176.4
115 66.1 47.1 70.7

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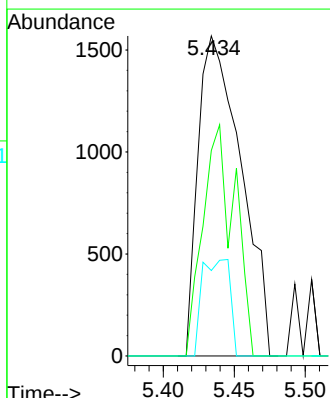
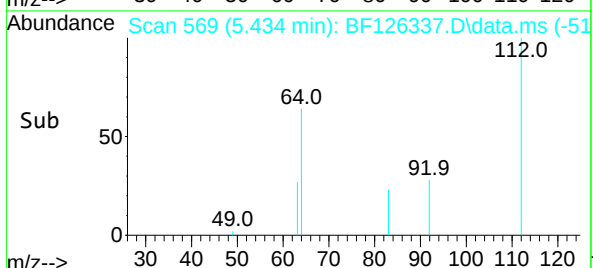
Reviewed By :Jagrut Upadhyay 12/23/2021
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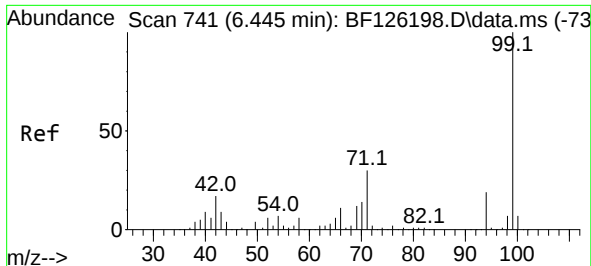


#5
2-Fluorophenol
Concen: 0.422 ng
RT: 5.434 min Scan# 569
Delta R.T. 0.006 min
Lab File: BF126337.D
Acq: 22 Dec 2021 19:24



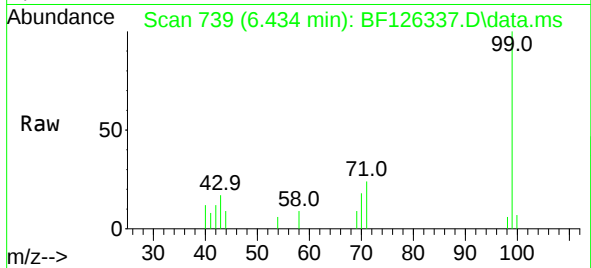
Tgt Ion:112 Resp: 3305
Ion Ratio Lower Upper
112 100
64 64.2 44.2 66.2
63 26.7 26.2 39.2





#7
Phenol-d6
Concen: 1.509 ng
RT: 6.434 min Scan# 741
Delta R.T. -0.012 min
Lab File: BF126337.D
Acq: 22 Dec 2021 19:24

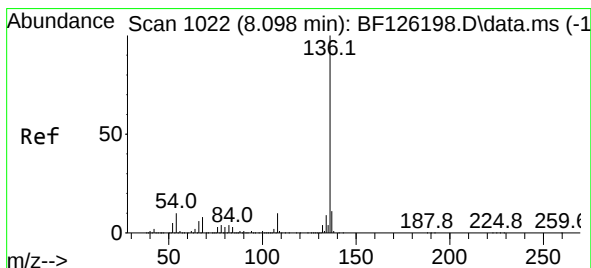
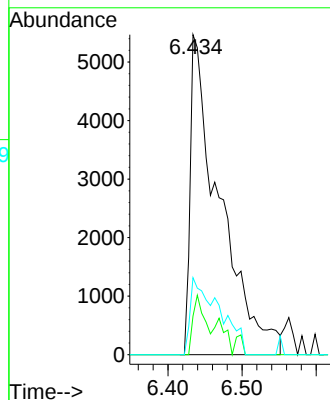
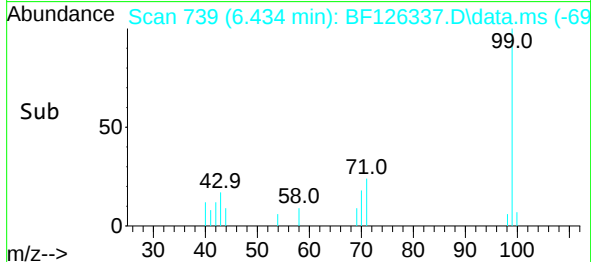
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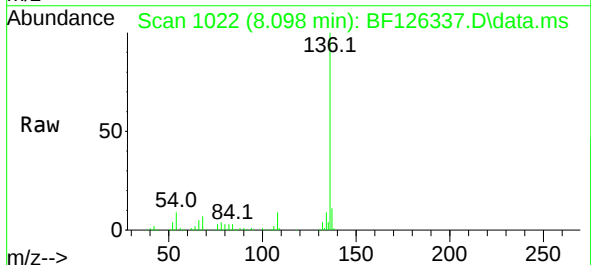
Tgt Ion: 99 Resp: 1499
Ion Ratio Lower Upper
99 100
42 12.1 23.5 35.3
71 24.1 25.6 38.4

Manual Integrations
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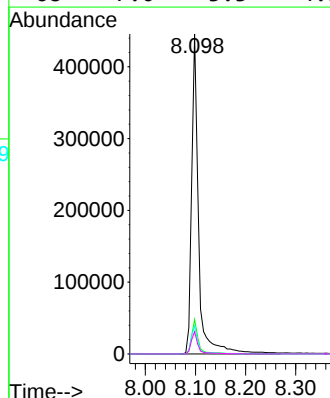
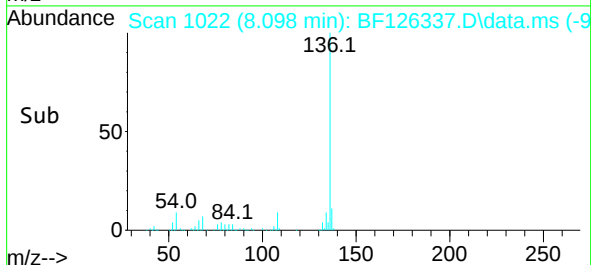
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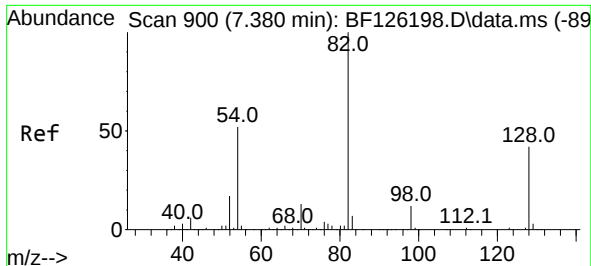


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.098 min Scan# 1022
Delta R.T. -0.006 min
Lab File: BF126337.D
Acq: 22 Dec 2021 19:24



Tgt Ion:136 Resp: 430987
Ion Ratio Lower Upper
136 100
137 10.8 9.8 14.6
54 8.7 6.4 9.6
68 7.0 3.3 4.9





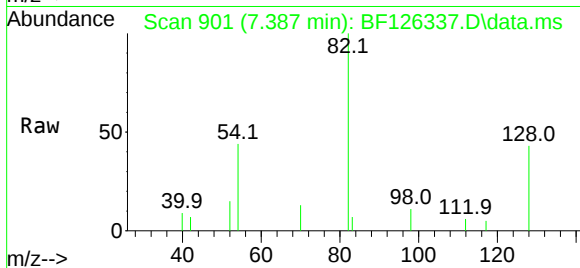
#23
Nitrobenzene-d5
Concen: 1.158 ng
RT: 7.387 min Scan# 900
Delta R.T. 0.006 min
Lab File: BF126337.D
Acq: 22 Dec 2021 19:24

Instrument :

BNA_F

ClientSampleId :

SB-91SB-22-G2DL

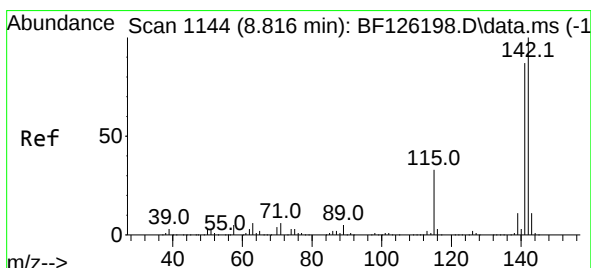
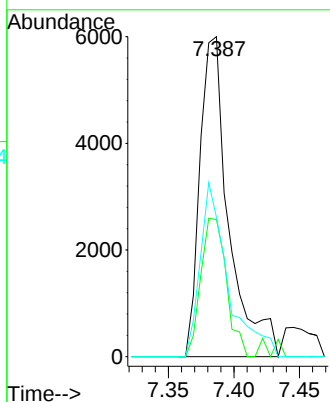
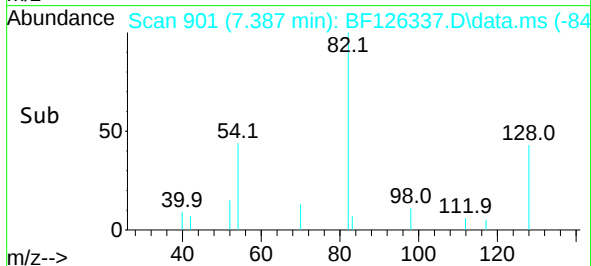


Tgt Ion: 82 Resp: 9218
Ion Ratio Lower Upper
82 100
128 42.8 40.6 60.8
54 43.6 49.6 74.4

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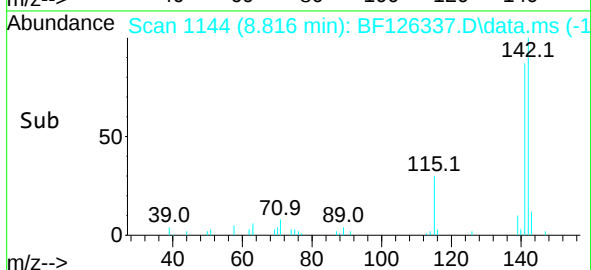
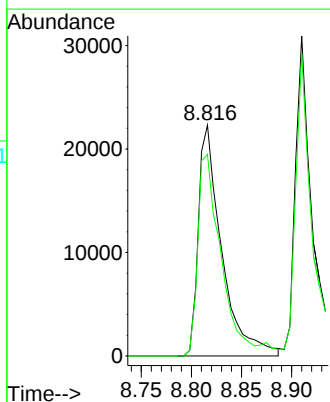
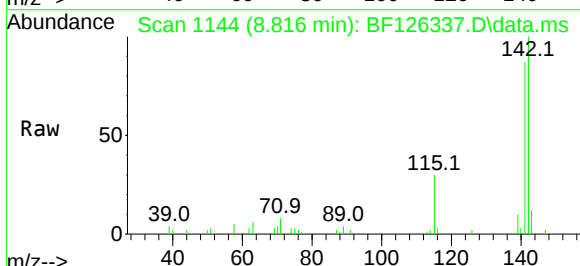
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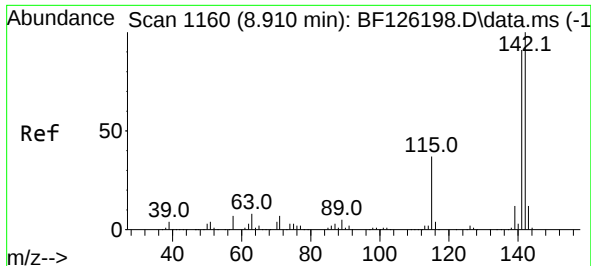
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#37
2-Methylnaphthalene
Concen: 2.908 ng
RT: 8.816 min Scan# 1144
Delta R.T. 0.000 min
Lab File: BF126337.D
Acq: 22 Dec 2021 19:24

Tgt Ion:142 Resp: 36090
Ion Ratio Lower Upper
142 100
141 87.3 71.2 106.8





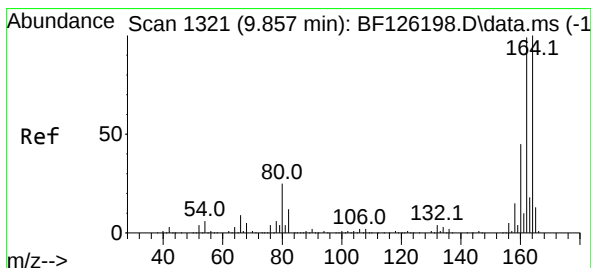
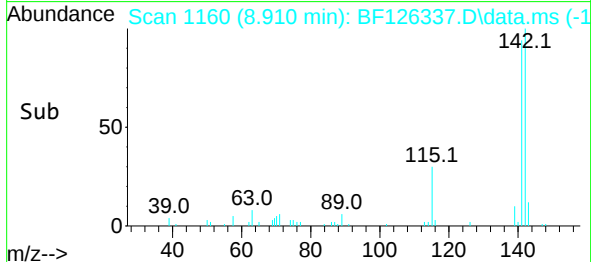
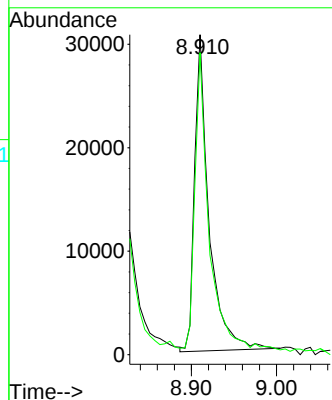
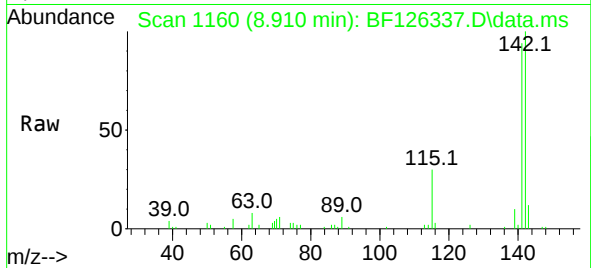
#38
1-Methylnaphthalene
Concen: 2.979 ng
RT: 8.910 min Scan# 1160
Delta R.T. -0.006 min
Lab File: BF126337.D
Acq: 22 Dec 2021 19:24

Instrument :
BNA_F
ClientSampleId :
SB-91SB-22-G2DL

Tgt Ion:142 Resp: 35884
Ion Ratio Lower Upper
142 100
141 94.4 76.0 114.0

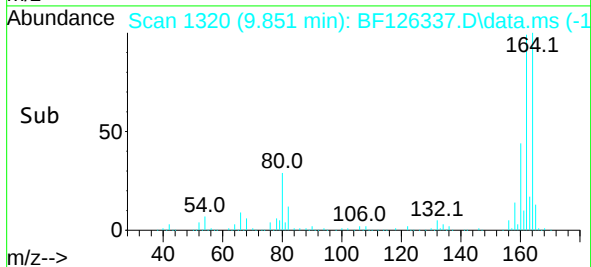
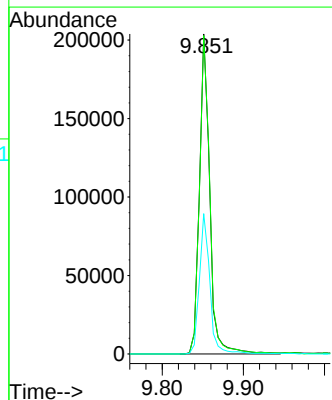
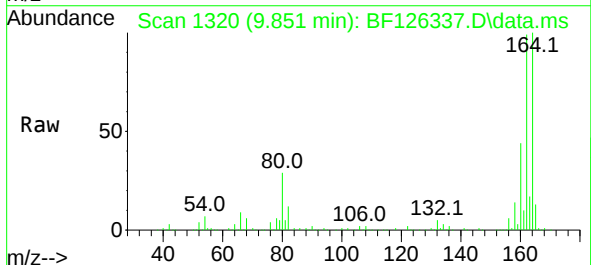
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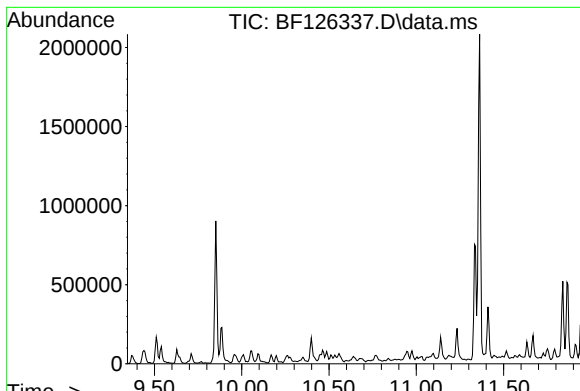
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.851 min Scan# 1320
Delta R.T. -0.006 min
Lab File: BF126337.D
Acq: 22 Dec 2021 19:24

Tgt Ion:164 Resp: 180568
Ion Ratio Lower Upper
164 100
162 99.5 81.3 121.9
160 43.9 38.0 57.0





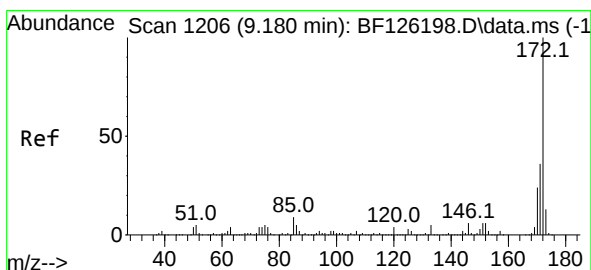
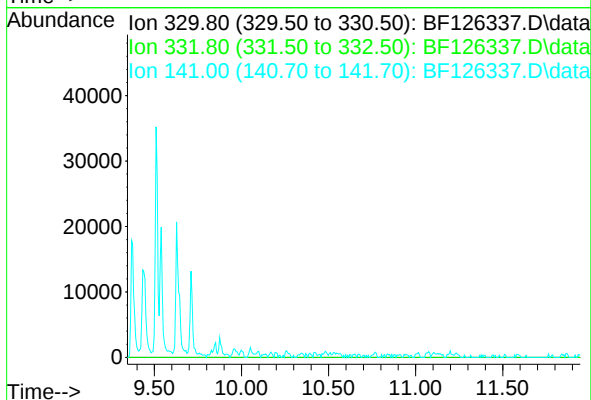
#42
 2,4,6-Tribromophenol
 Concen: 0.000 ng
 Expected RT: 10.65 min
 Lab File: BF126337.D
 Acq: 22 Dec 2021 19:24

Instrument :
 BNA_F
 ClientSampleId :
 SB-91SB-22-G2DL

Tgt Ion: 330
 Sig Exp Ratio
 330 100
 332 95.3
 141 55.7

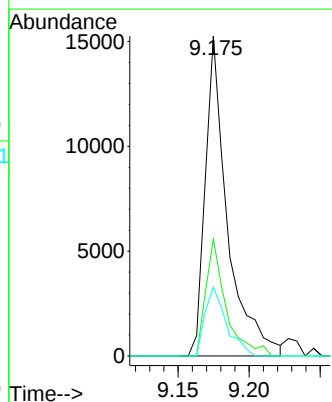
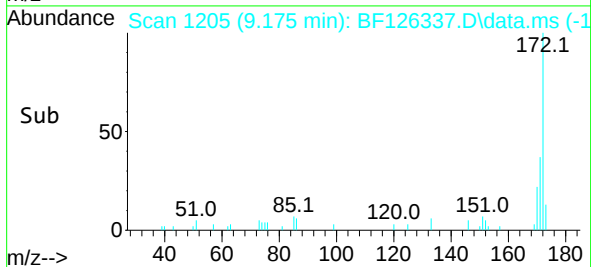
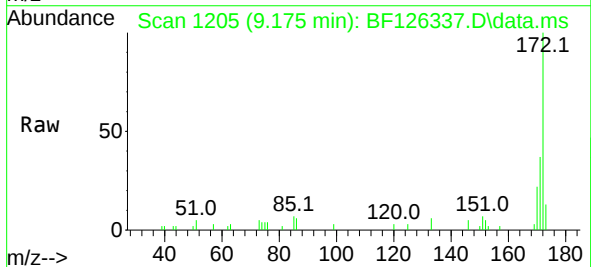
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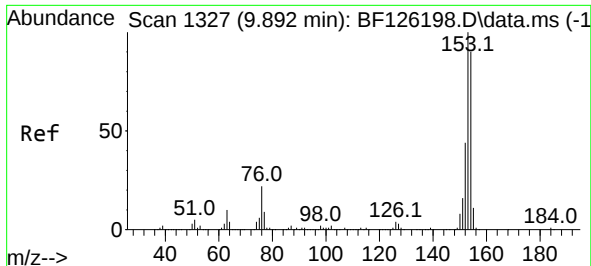
Reviewed By :Jagrut Upadhyay 12/23/2021
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#45
 2-Fluorobiphenyl
 Concen: 1.616 ng
 RT: 9.175 min Scan# 1205
 Delta R.T. -0.006 min
 Lab File: BF126337.D
 Acq: 22 Dec 2021 19:24

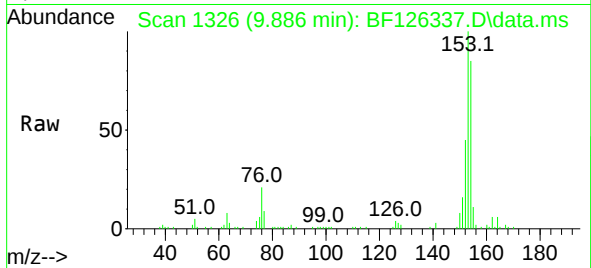
Tgt Ion:172 Resp: 16637
 Ion Ratio Lower Upper
 172 100
 171 36.5 26.5 39.7
 170 21.5 18.8 28.2





#52
Acenaphthene
Concen: 4.870 ng
RT: 9.886 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF126337.D
Acq: 22 Dec 2021 19:24

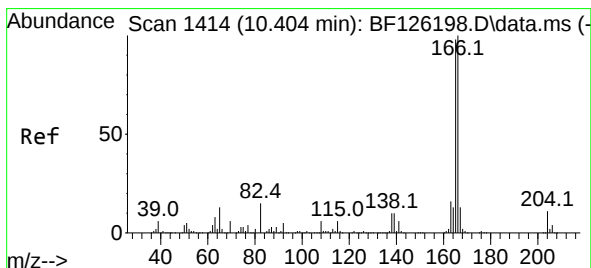
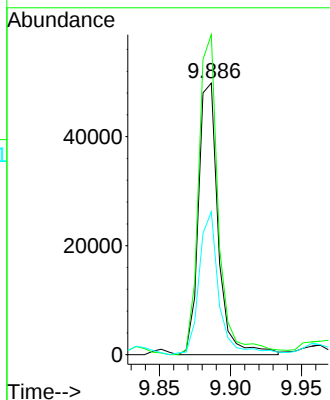
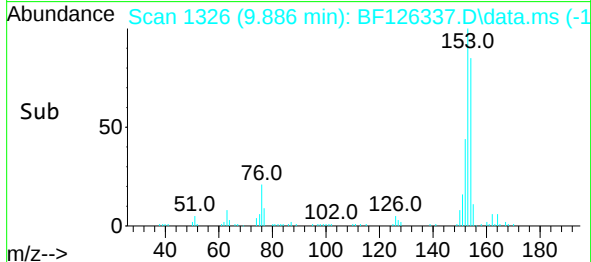
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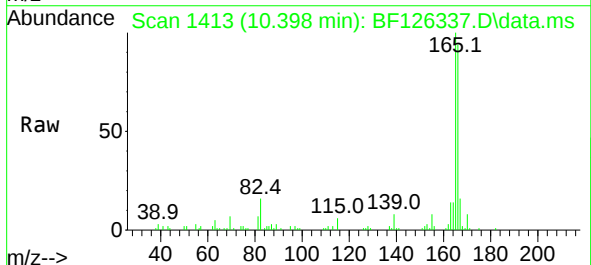
Tgt Ion:154 Resp: 4847
Ion Ratio Lower Upper
154 100
153 117.8 89.4 134.2
152 52.6 40.5 60.7

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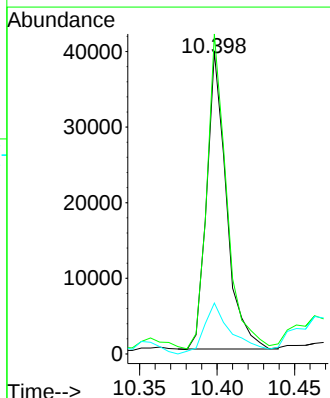
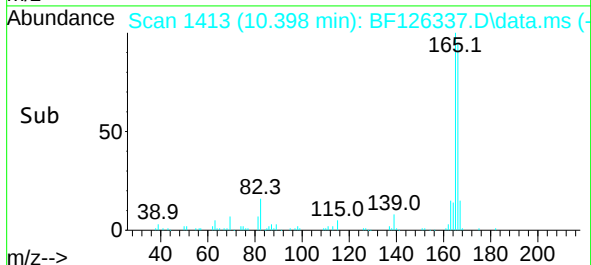
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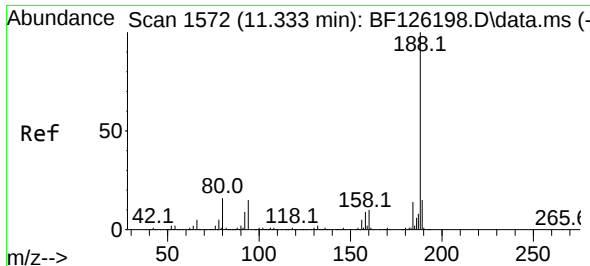


#58
Fluorene
Concen: 3.559 ng
RT: 10.398 min Scan# 1413
Delta R.T. -0.006 min
Lab File: BF126337.D
Acq: 22 Dec 2021 19:24



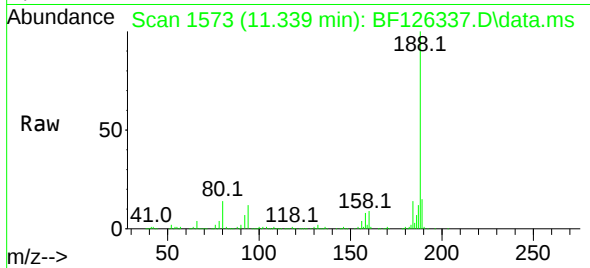
Tgt Ion:166 Resp: 34919
Ion Ratio Lower Upper
166 100
165 105.9 78.1 117.1
167 16.9 11.1 16.7#





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.339 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF126337.D
Acq: 22 Dec 2021 19:24

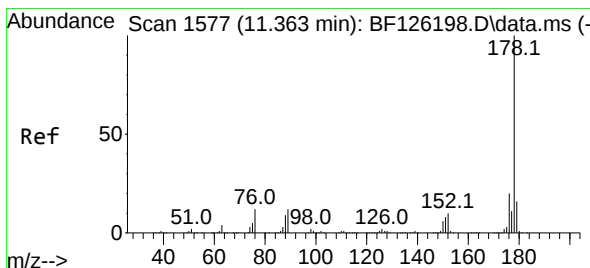
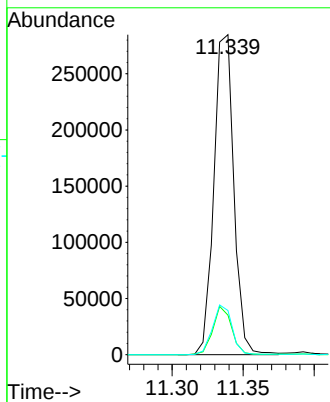
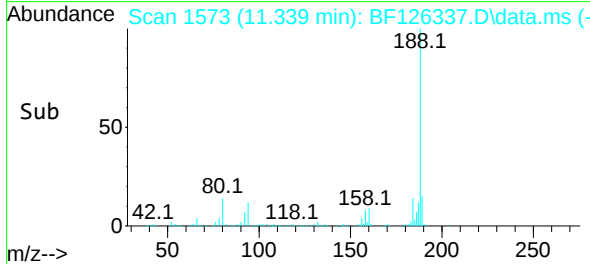
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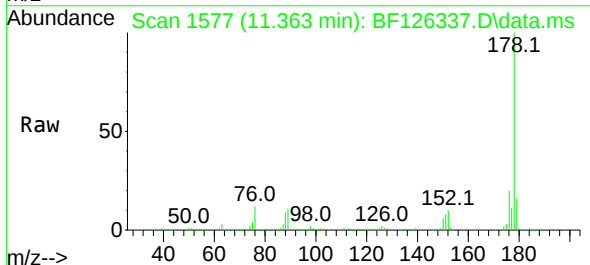
Tgt Ion:188 Resp: 278160
Ion Ratio Lower Upper
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94 12.4 6.7 10.1
80 13.8 7.5 11.3

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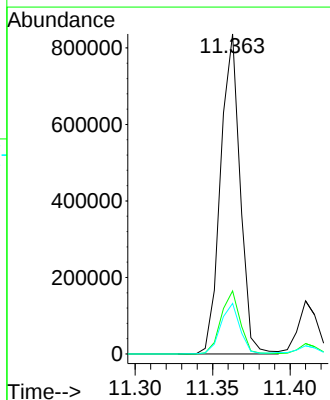
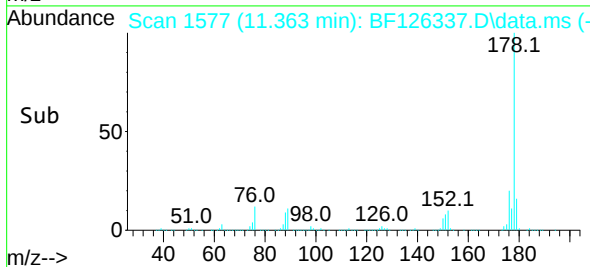
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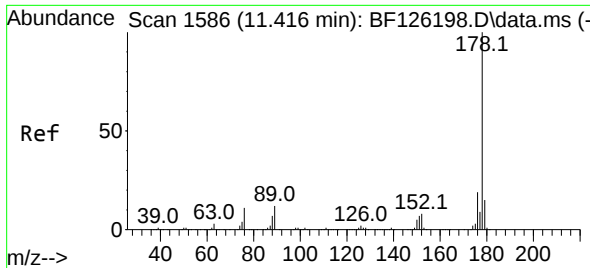


#71
Phenanthrene
Concen: 51.187 ng
RT: 11.363 min Scan# 1577
Delta R.T. 0.000 min
Lab File: BF126337.D
Acq: 22 Dec 2021 19:24



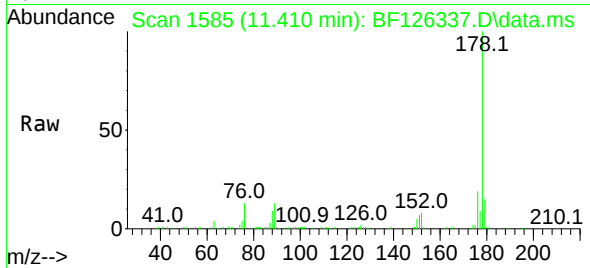
Tgt Ion:178 Resp: 734876
Ion Ratio Lower Upper
178 100
176 19.7 14.7 22.1
179 15.8 11.5 17.3





#72
 Anthracene
 Concen: 8.566 ng
 RT: 11.410 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF126337.D
 Acq: 22 Dec 2021 19:24

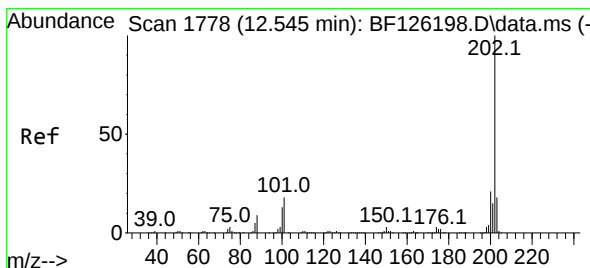
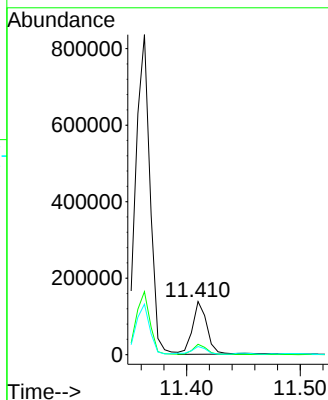
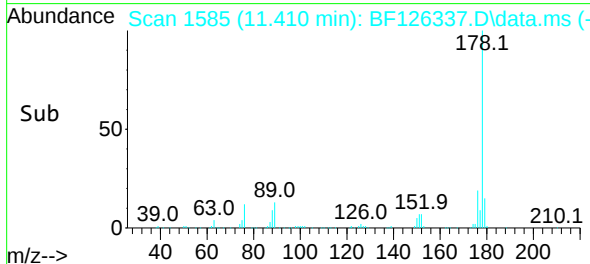
Instrument :
 BNA_F
 ClientSampleId :
 SB-91SB-22-G2DL



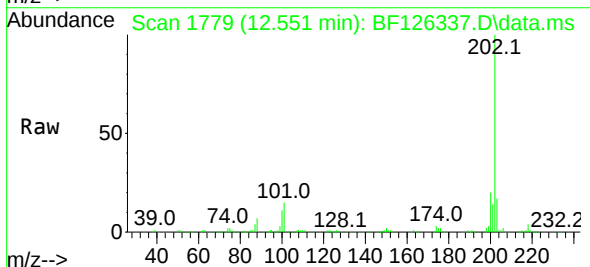
Tgt Ion:178 Resp: 12344
 Ion Ratio Lower Upper
 178 100
 176 19.5 14.3 21.5
 179 15.5 12.2 18.4

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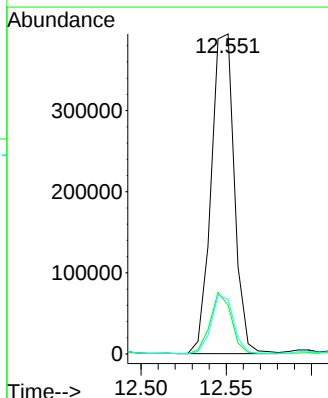
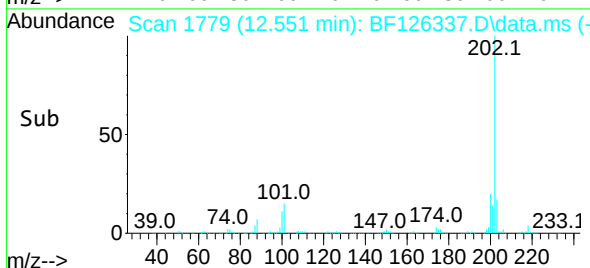
Reviewed By :Jagrut Upadhyay 12/23/2021
 Supervised By :mohammad ahmed 12/29/2021

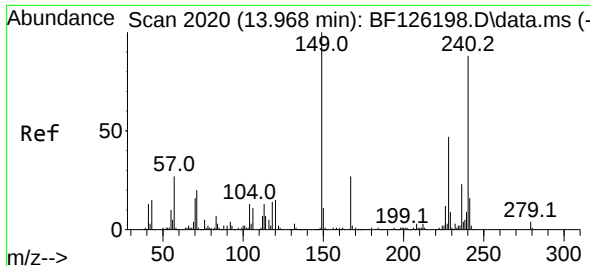


#75
 Fluoranthene
 Concen: 28.803 ng
 RT: 12.551 min Scan# 1779
 Delta R.T. 0.000 min
 Lab File: BF126337.D
 Acq: 22 Dec 2021 19:24



Tgt Ion:202 Resp: 372562
 Ion Ratio Lower Upper
 202 100
 101 15.2 0.0 30.7
 203 17.1 0.0 36.3





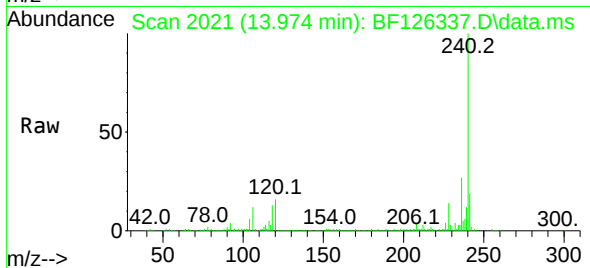
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.974 min Scan# 2021
Delta R.T. -0.006 min
Lab File: BF126337.D
Acq: 22 Dec 2021 19:24

Instrument :

BNA_F

ClientSampleId :

SB-91SB-22-G2DL

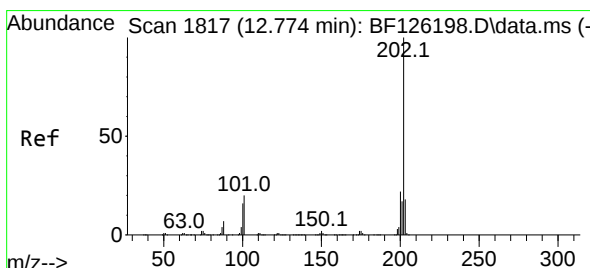
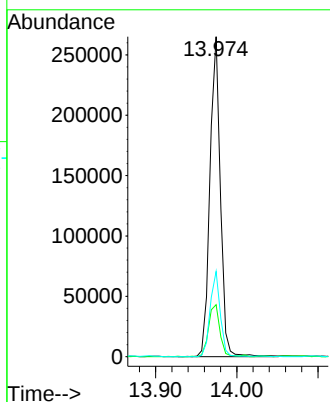
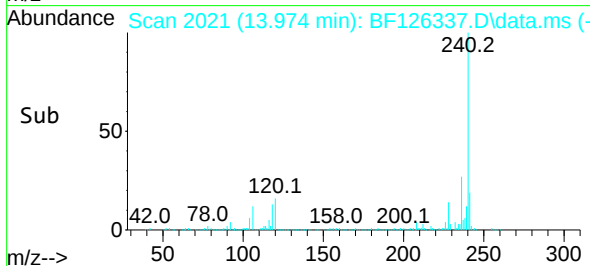


Tgt Ion:240 Resp: 236419
Ion Ratio Lower Upper
240 100
120 16.3 10.8 16.2
236 26.6 21.6 32.4

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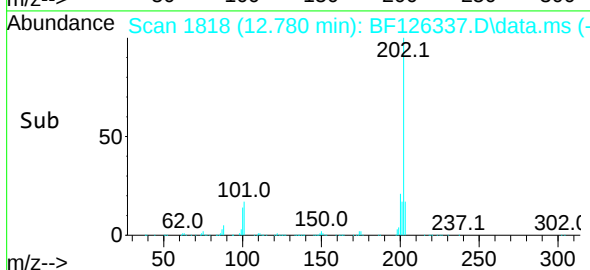
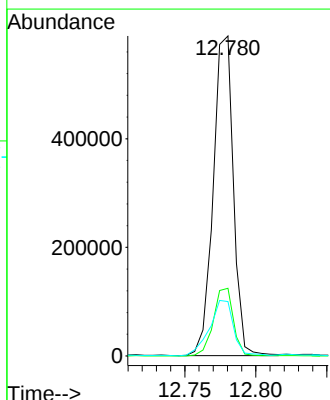
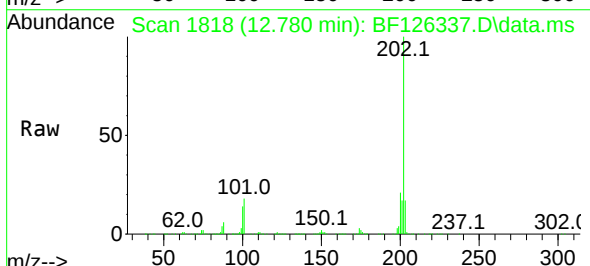
APPROVED

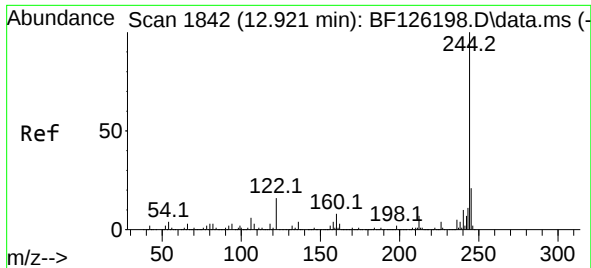
Reviewed By :Jagrut Upadhyay 12/23/2021
Supervised By :mohammad ahmed 12/29/2021



#78
Pyrene
Concen: 26.827 ng
RT: 12.780 min Scan# 1818
Delta R.T. 0.000 min
Lab File: BF126337.D
Acq: 22 Dec 2021 19:24

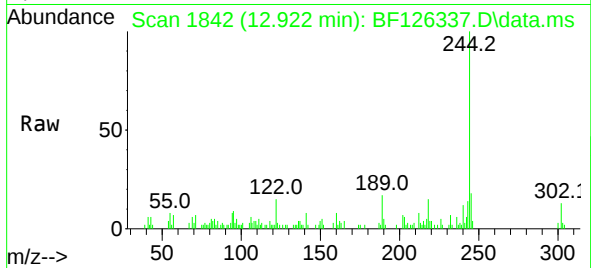
Tgt Ion:202 Resp: 582689
Ion Ratio Lower Upper
202 100
200 21.2 15.3 22.9
203 17.0 13.4 20.0





#79
Terphenyl-d14
Concen: 1.280 ng
RT: 12.922 min Scan# 1842
Delta R.T. -0.006 min
Lab File: BF126337.D
Acq: 22 Dec 2021 19:24

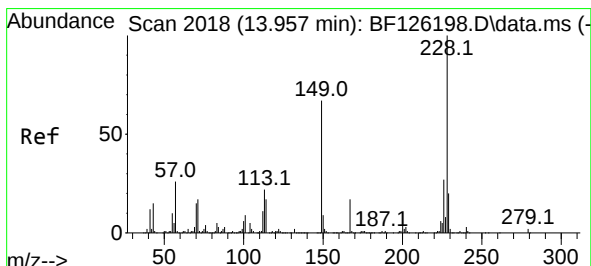
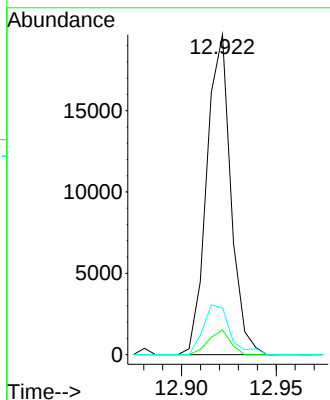
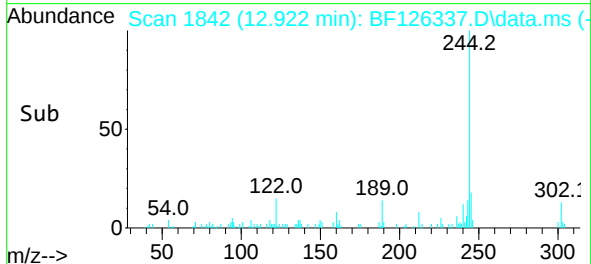
Instrument :
BNA_F
ClientSampleId :
SB-91SB-22-G2DL



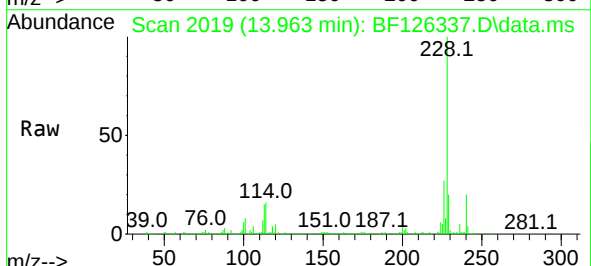
Tgt Ion:244 Resp: 1740
Ion Ratio Lower Upper
244 100
212 7.7 5.9 8.9
122 14.6 9.0 13.4

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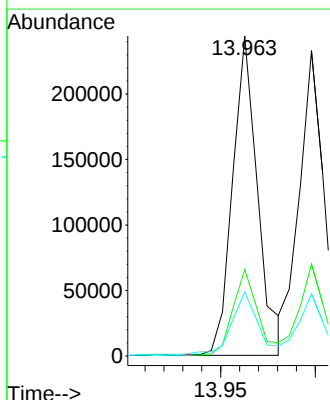
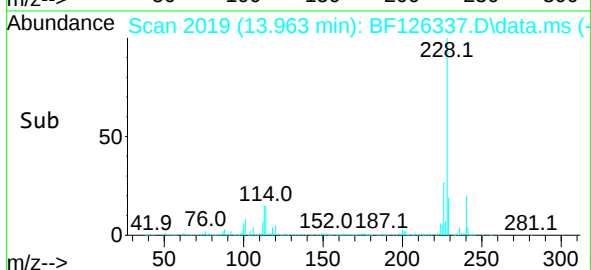
Reviewed By :Jagrut Upadhyay 12/23/2021
Supervised By :mohammad ahmed 12/29/2021

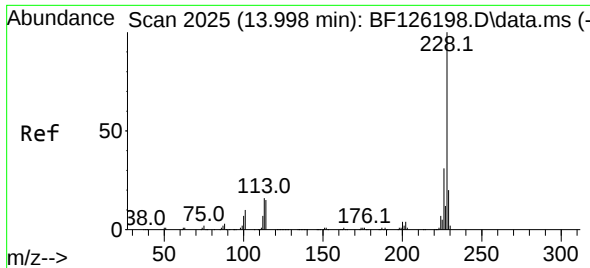


#81
Benzo(a)anthracene
Concen: 16.060 ng
RT: 13.963 min Scan# 2019
Delta R.T. -0.006 min
Lab File: BF126337.D
Acq: 22 Dec 2021 19:24



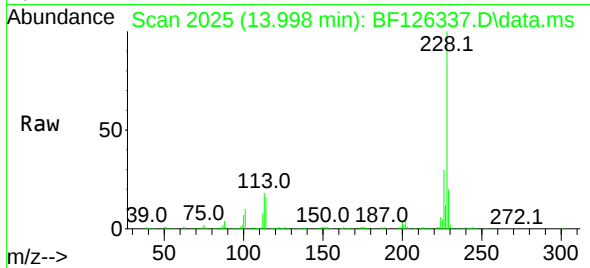
Tgt Ion:228 Resp: 224910
Ion Ratio Lower Upper
228 100
226 27.1 21.6 32.4
229 20.0 15.6 23.4





#83
Chrysene
Concen: 14.374 ng
RT: 13.998 min Scan# 2025
Delta R.T. -0.006 min
Lab File: BF126337.D
Acq: 22 Dec 2021 19:24

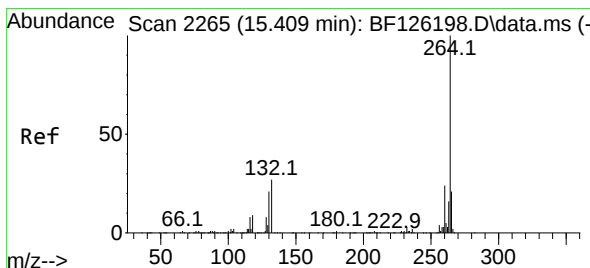
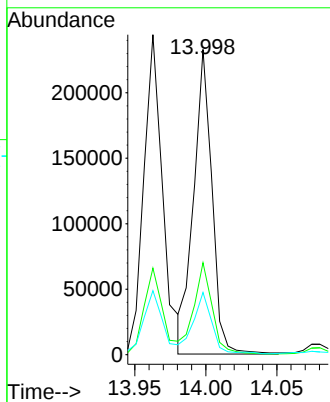
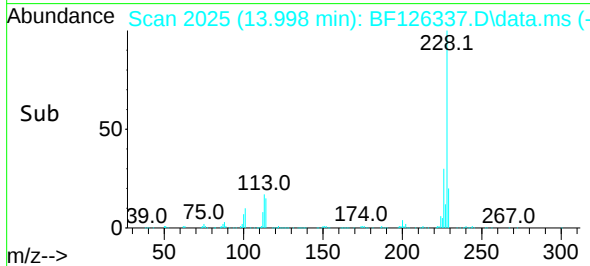
Instrument :
BNA_F
ClientSampleId :
SB-91SB-22-G2DL



Tgt Ion:228 Resp: 20914
Ion Ratio Lower Upper
228 100
226 30.1 22.6 34.0
229 20.4 15.9 23.9

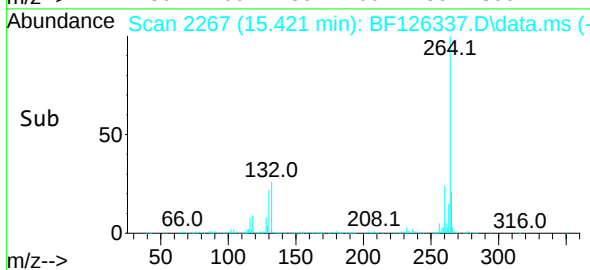
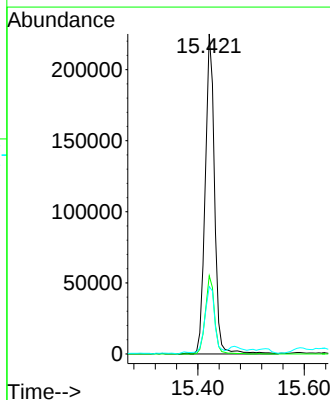
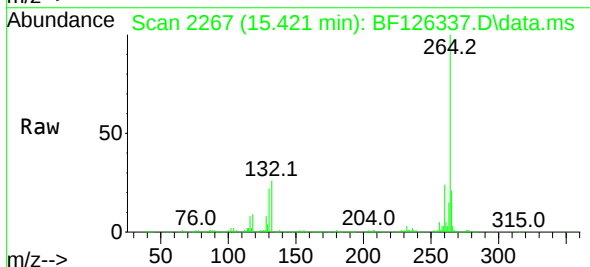
Manual Integrations
APPROVED

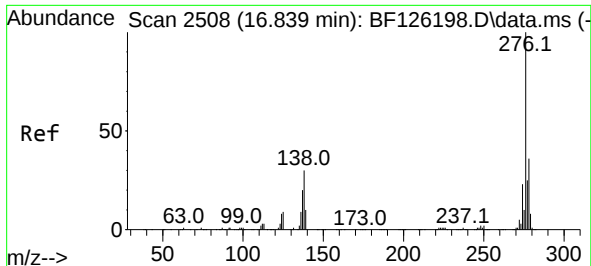
Reviewed By :Jagrut Upadhyay 12/23/2021
Supervised By :mohammad ahmed 12/29/2021



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.421 min Scan# 2267
Delta R.T. -0.006 min
Lab File: BF126337.D
Acq: 22 Dec 2021 19:24

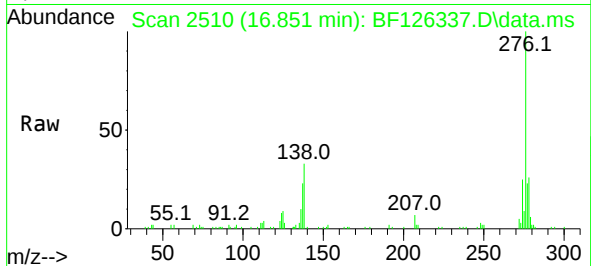
Tgt Ion:264 Resp: 274852
Ion Ratio Lower Upper
264 100
260 24.5 19.6 29.4
265 21.1 17.2 25.8





#87
Indeno(1,2,3-cd)pyrene
Concen: 3.559 ng
RT: 16.851 min Scan# 2110
Delta R.T. -0.012 min
Lab File: BF126337.D
Acq: 22 Dec 2021 19:24

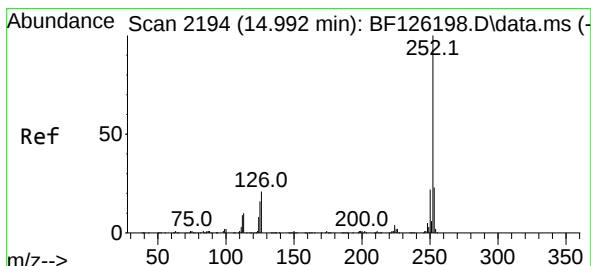
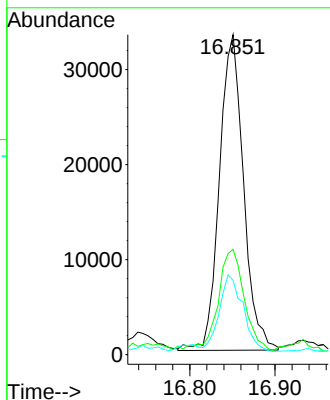
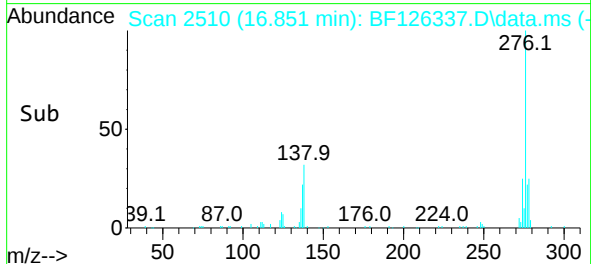
Instrument :
BNA_F
ClientSampleId :
SB-91SB-22-G2DL



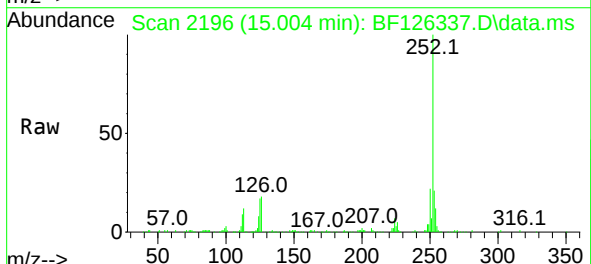
Tgt Ion: 276 Resp: 6524
Ion Ratio Lower Upper
276 100
138 35.1 24.1 36.1
277 24.2 18.8 28.2

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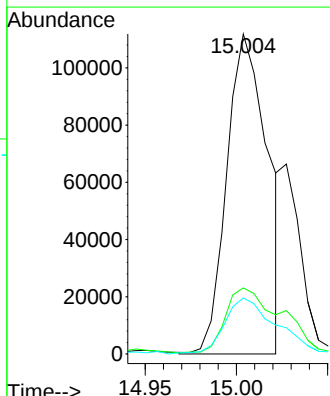
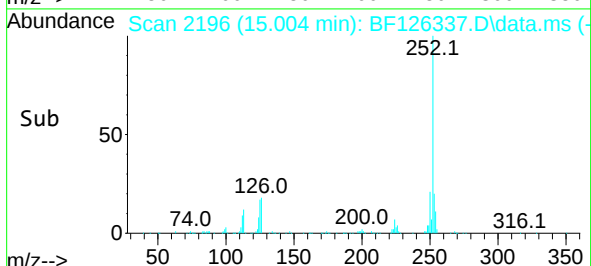
Reviewed By :Jagrut Upadhyay 12/23/2021
Supervised By :mohammad ahmed 12/29/2021

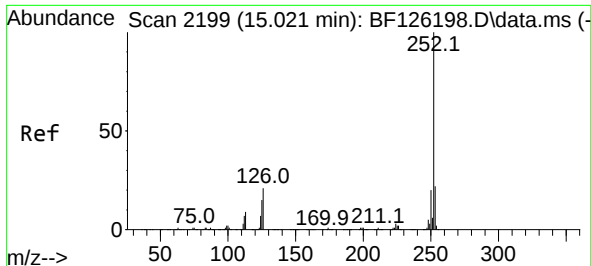


#88
Benzo(b)fluoranthene
Concen: 10.541 ng m
RT: 15.004 min Scan# 2196
Delta R.T. 0.000 min
Lab File: BF126337.D
Acq: 22 Dec 2021 19:24



Tgt Ion: 252 Resp: 174079
Ion Ratio Lower Upper
252 100
253 20.6 16.8 25.2
125 17.5 9.8 14.8#





#89

Benzo(k)fluoranthene

Concen: 3.229 ng m

RT: 15.027 min Scan# 2199

Delta R.T. -0.006 min

Lab File: BF126337.D

Acq: 22 Dec 2021 19:24

Instrument :

BNA_F

ClientSampleId :

SB-91SB-22-G2DL

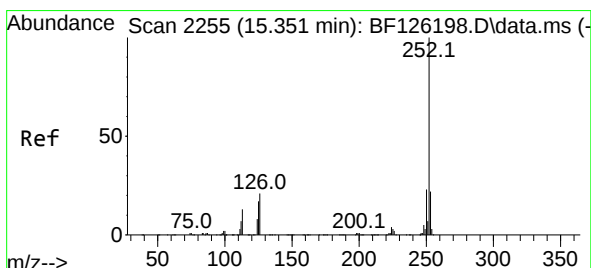
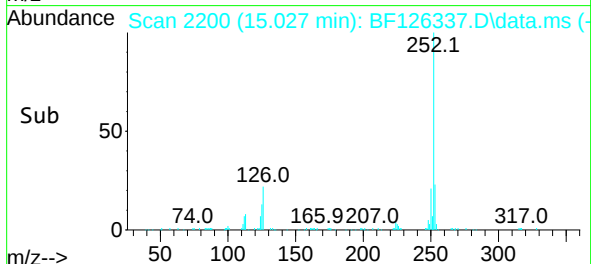
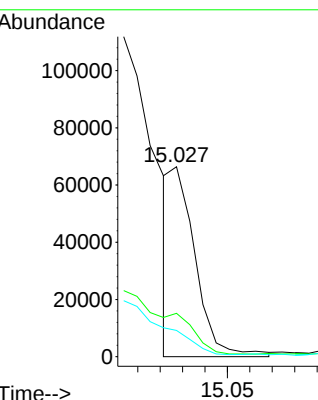
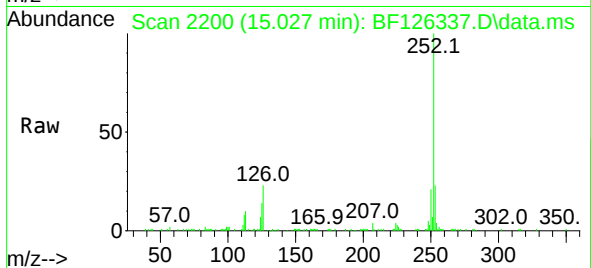
Tgt Ion:252 Resp: 5101

Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.8	26.8
125	13.8	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: 10.343 ng

RT: 15.357 min Scan# 2256

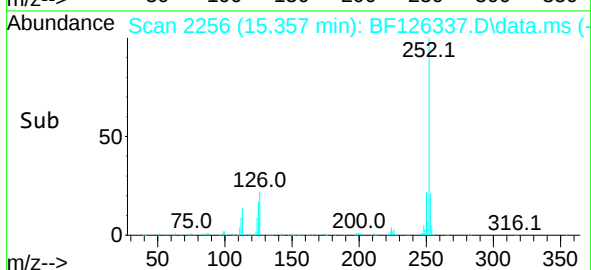
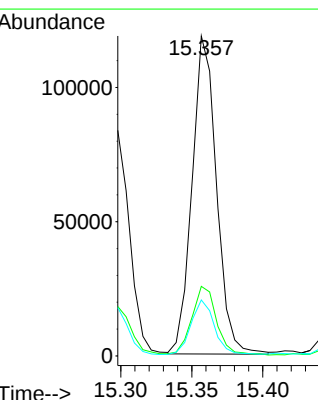
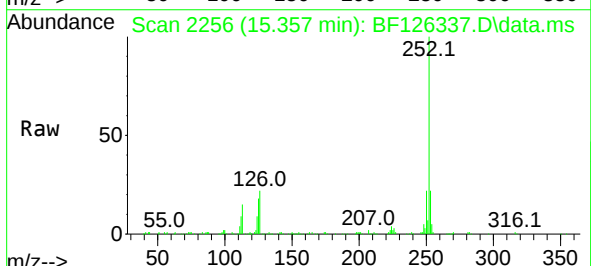
Delta R.T. -0.006 min

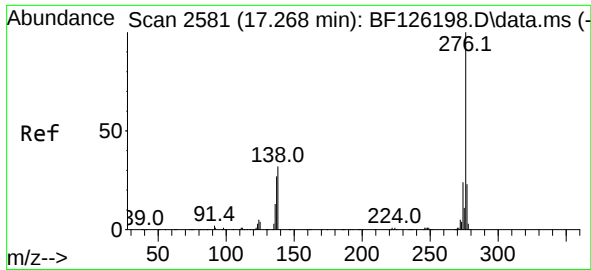
Lab File: BF126337.D

Acq: 22 Dec 2021 19:24

Tgt Ion:252 Resp: 141970

Ion	Ratio	Lower	Upper
252	100		
253	21.8	18.4	27.6
125	17.5	9.9	14.9





#92

Benzo(g,h,i)perylene

Concen: 4.333 ng

RT: 17.274 min Scan# 21

Delta R.T. -0.023 min

Lab File: BF126337.D

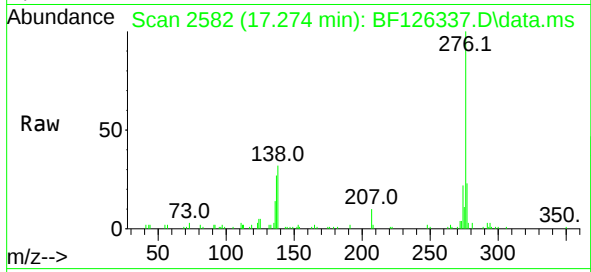
Acq: 22 Dec 2021 19:24

Instrument :

BNA_F

ClientSampleId :

SB-91SB-22-G2DL



Tgt Ion:276 Resp: 6680

Ion Ratio Lower Upper

276 100

277 22.5 22.0 33.0

138 31.8 22.2 33.4

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 12/23/2021

Supervised By :mohammad ahmed 12/29/2021

