

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122821\
 Data File : BF126396.D
 Acq On : 28 Dec 2021 23:00
 Operator : JU/CG
 Sample : M5230-03DL 2X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PSC124055DL

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 12/29/2021
 Supervised By :mohammad ahmed 12/30/2021

Quant Time: Dec 29 08:25:22 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	6.810	152	128972	20.000	ng	0.00
21) Naphthalene-d8	8.092	136	394844	20.000	ng	#-0.01
39) Acenaphthene-d10	9.845	164	173152	20.000	ng	-0.01
64) Phenanthrene-d10	11.333	188	248931	20.000	ng	# 0.00
76) Chrysene-d12	13.968	240	194920	20.000	ng	-0.01
86) Perylene-d12	15.421	264	162855	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.416	112	369578	42.200	ng	-0.01
7) Phenol-d6	6.434	99	461133	41.468	ng	-0.01
23) Nitrobenzene-d5	7.369	82	210610	28.889	ng	-0.01
42) 2,4,6-Tribromophenol	10.633	330	58731	42.206	ng	-0.01
45) 2-Fluorobiphenyl	9.169	172	293901	29.770	ng	-0.01
79) Terphenyl-d14	12.916	244	223789	19.955	ng	-0.01
Target Compounds						Qvalue
31) Naphthalene	8.116	128	229694	12.439	ng	97
37) 2-Methylnaphthalene	8.804	142	122227	10.749	ng	97
38) 1-Methylnaphthalene	8.904	142	77575	7.030	ng	94
46) 1,1'-Biphenyl	9.269	154	42208	3.297	ng	95
49) Acenaphthylene	9.704	152	31843	2.163	ng	# 97
52) Acenaphthene	9.880	154	169438	17.751	ng	98
55) Dibenzofuran	10.051	168	135702	10.442	ng	97
58) Fluorene	10.392	166	155218	16.498	ng	98
71) Phenanthrene	11.357	178	734679	57.182	ng	98
72) Anthracene	11.404	178	104727	8.121	ng	99
73) Carbazole	11.563	167	62404	5.138	ng	97
75) Fluoranthene	12.545	202	593050	51.232	ng	94
78) Pyrene	12.774	202	464009	25.911	ng	98
81) Benzo(a)anthracene	13.963	228	161624	13.998	ng	99
83) Chrysene	13.998	228	159671	13.310	ng	98
87) Indeno(1,2,3-cd)pyrene	16.845	276	33227	3.059	ng	# 89
88) Benzo(b)fluoranthene	14.998	252	135664m	13.864	ng	
89) Benzo(k)fluoranthene	15.027	252	46775m	4.997	ng	
90) Benzo(a)pyrene	15.357	252	73828	9.078	ng	97
92) Benzo(g,h,i)perylene	17.268	276	31076m	3.401	ng	

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

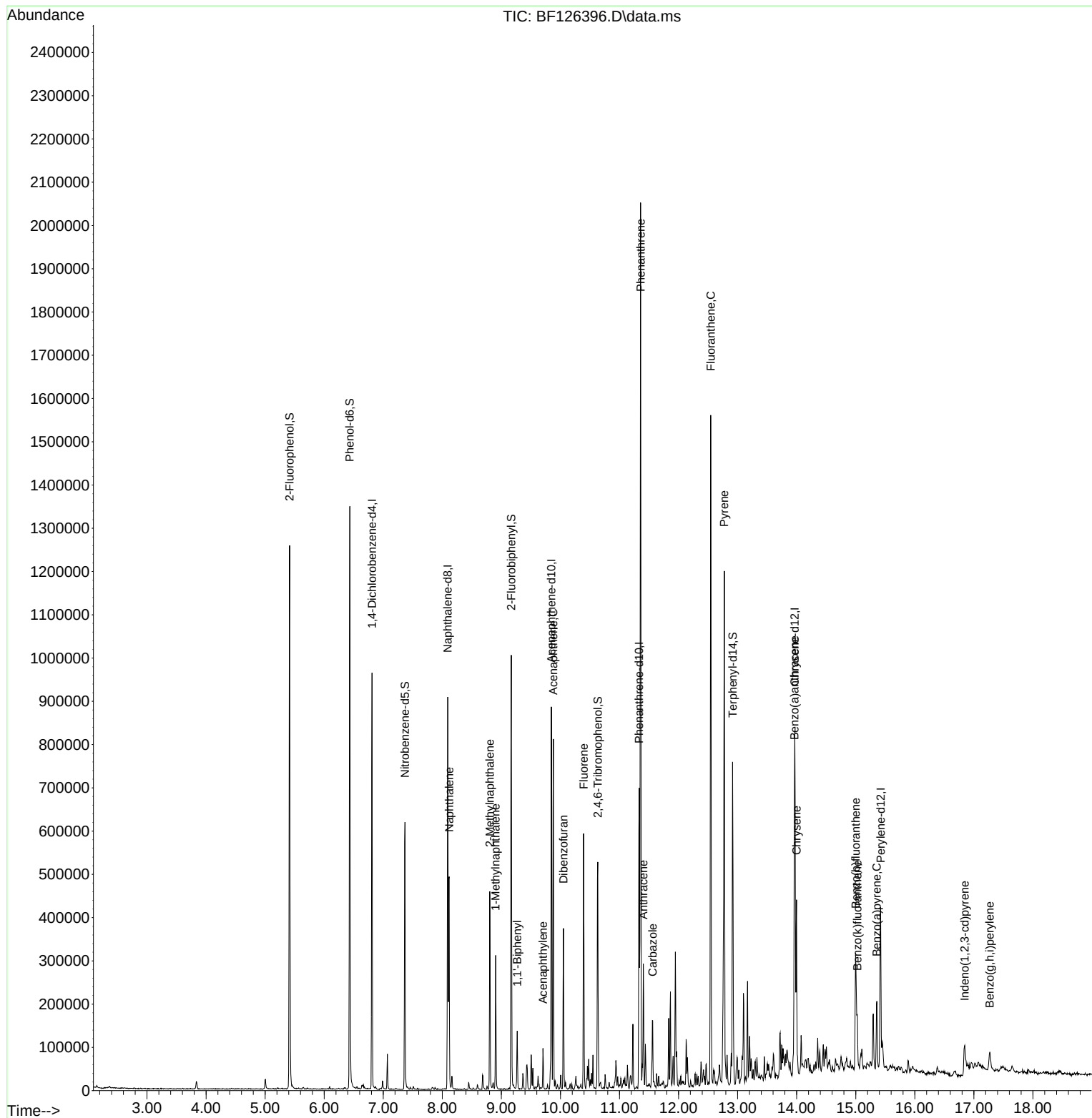
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122821\
Data File : BF126396.D
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ALS Vial : 20 Sample Multiplier: 1

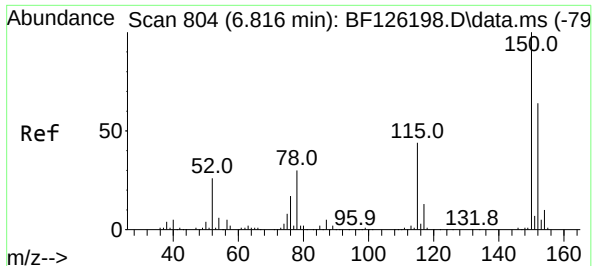
Instrument :
BNA_F
ClientSampleId :
PSC124055DL

Quant Time: Dec 29 08:25:22 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

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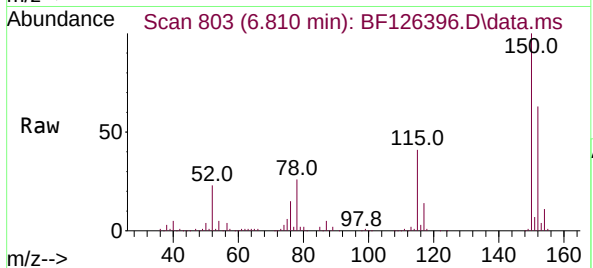
Reviewed By :Jagrut Upadhyay 12/29/2021
Supervised By :mohammad ahmed 12/30/2021





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.810 min Scan# 804
Delta R.T. -0.006 min
Lab File: BF126396.D
Acq: 28 Dec 2021 23:00

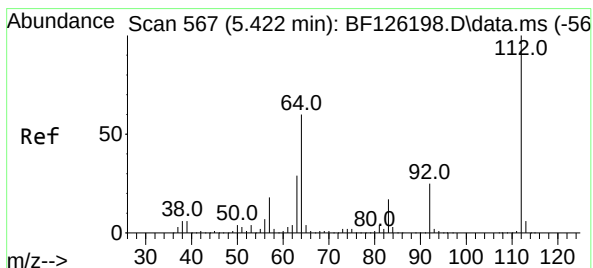
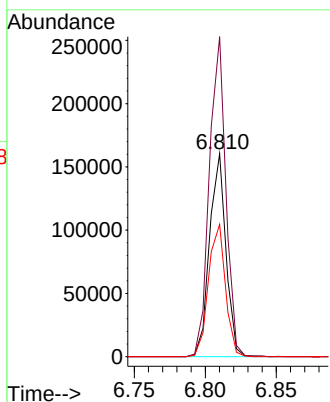
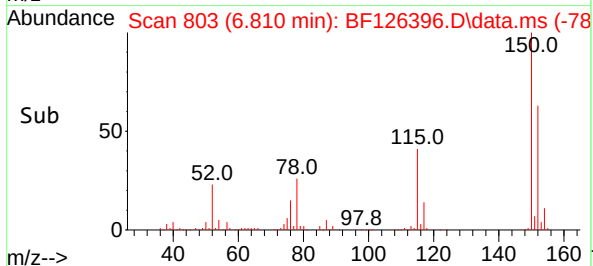
Instrument :
BNA_F
ClientSampleId :
PSC124055DL



Tgt Ion:152 Resp: 128972
Ion Ratio Lower Upper
152 100
150 157.6 117.6 176.4
115 65.2 47.1 70.7

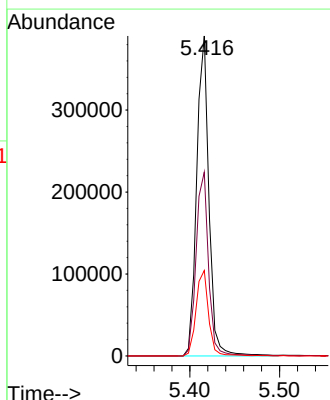
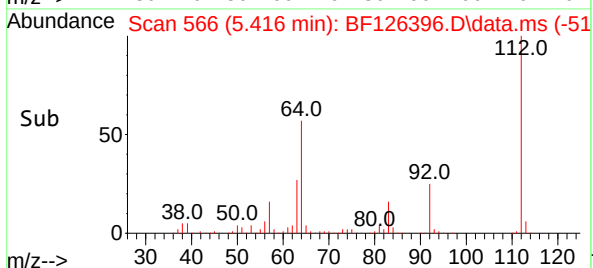
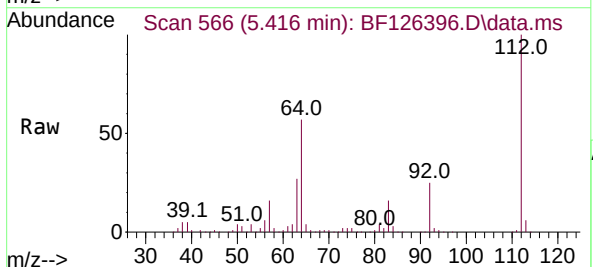
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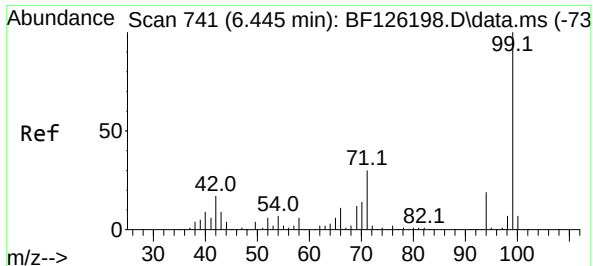
Reviewed By :Jagrut Upadhyay 12/29/2021
Supervised By :mohammad ahmed 12/30/2021



#5
2-Fluorophenol
Concen: 42.200 ng
RT: 5.416 min Scan# 566
Delta R.T. -0.012 min
Lab File: BF126396.D
Acq: 28 Dec 2021 23:00

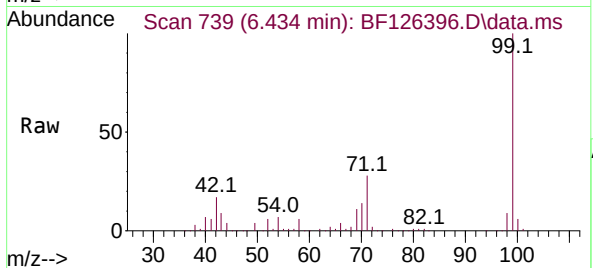
Tgt Ion:112 Resp: 369578
Ion Ratio Lower Upper
112 100
64 57.4 44.2 66.2
63 26.7 26.2 39.2





#7
Phenol-d6
Concen: 41.468 ng
RT: 6.434 min Scan# 741
Delta R.T. -0.012 min
Lab File: BF126396.D
Acq: 28 Dec 2021 23:00

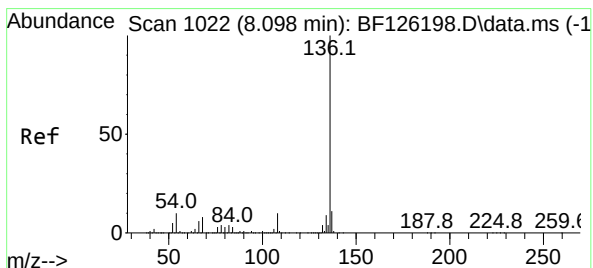
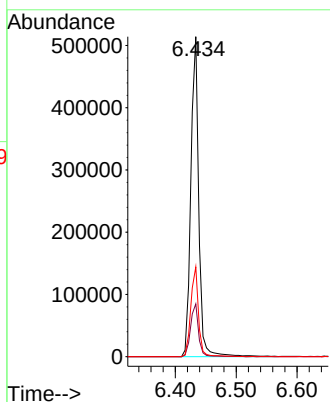
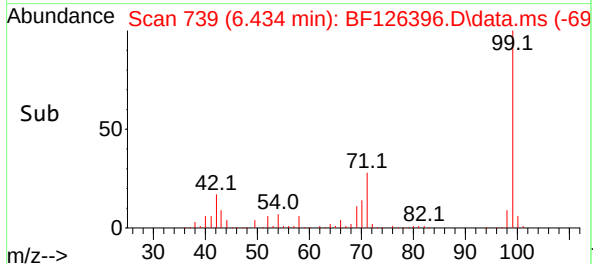
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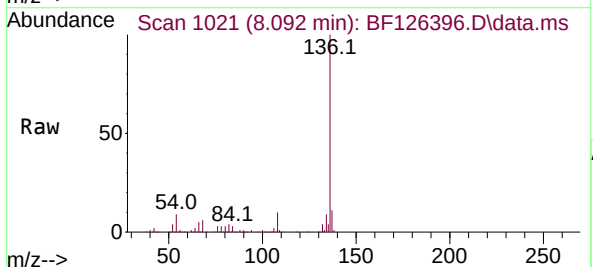
Tgt Ion: 99 Resp: 461133
Ion Ratio Lower Upper
99 100
42 16.5 23.5 35.3
71 28.0 25.6 38.4

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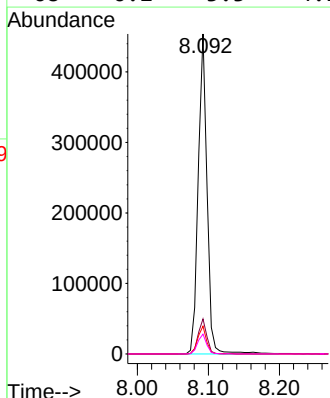
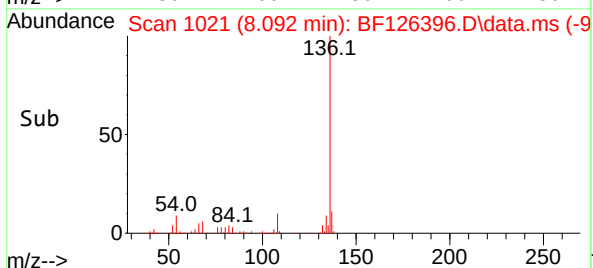
Reviewed By :Jagrut Upadhyay 12/29/2021
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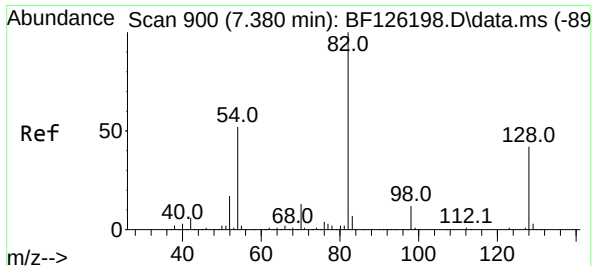


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.092 min Scan# 1021
Delta R.T. -0.012 min
Lab File: BF126396.D
Acq: 28 Dec 2021 23:00



Tgt Ion:136 Resp: 394844
Ion Ratio Lower Upper
136 100
137 11.0 9.8 14.6
54 8.7 6.4 9.6
68 6.2 3.3 4.9





#23

Nitrobenzene-d5

Concen: 28.889 ng

RT: 7.369 min Scan# 89

Delta R.T. -0.012 min

Lab File: BF126396.D

Acq: 28 Dec 2021 23:00

Instrument :

BNA_F

ClientSampleId :

PSC124055DL

Tgt Ion: 82 Resp: 210610

Ion Ratio Lower Upper

82 100

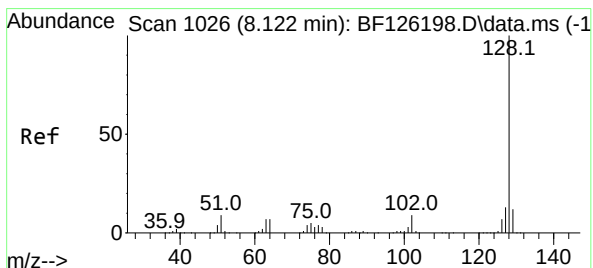
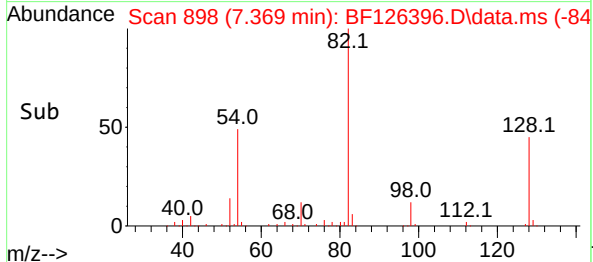
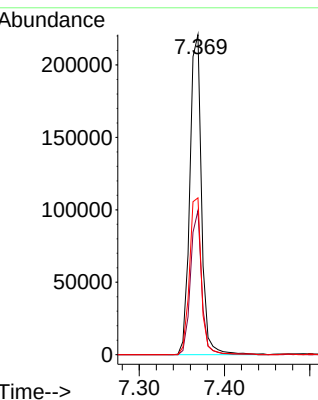
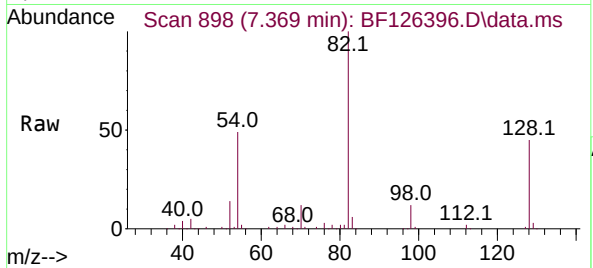
128 45.0 40.6 60.8

54 49.0 49.6 74.4

Manual Integrations

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#31

Naphthalene

Concen: 12.439 ng

RT: 8.116 min Scan# 1025

Delta R.T. -0.006 min

Lab File: BF126396.D

Acq: 28 Dec 2021 23:00

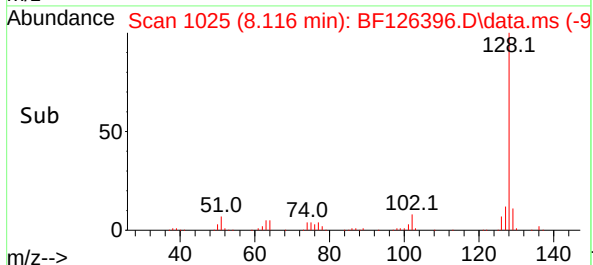
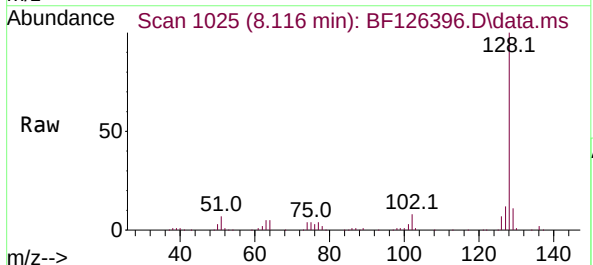
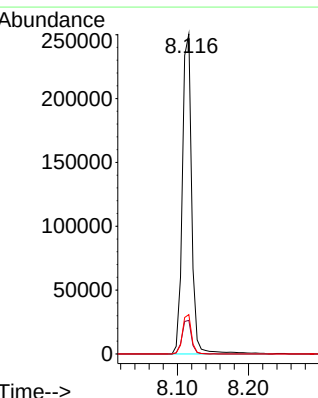
Tgt Ion:128 Resp: 229694

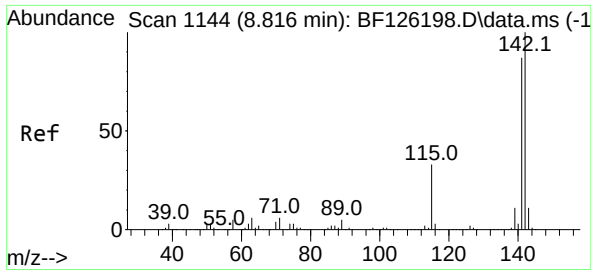
Ion Ratio Lower Upper

128 100

129 10.5 9.4 14.0

127 12.3 10.9 16.3





#37
2-Methylnaphthalene
Concen: 10.749 ng
RT: 8.804 min Scan# 1142
Delta R.T. -0.012 min
Lab File: BF126396.D
Acq: 28 Dec 2021 23:00

Instrument :

BNA_F

ClientSampleId :

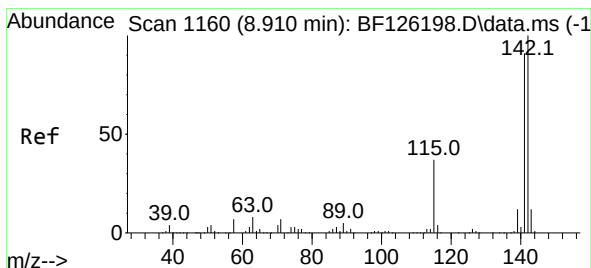
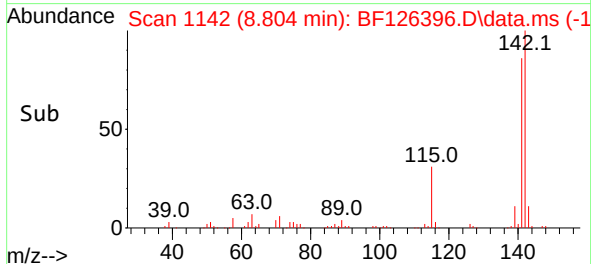
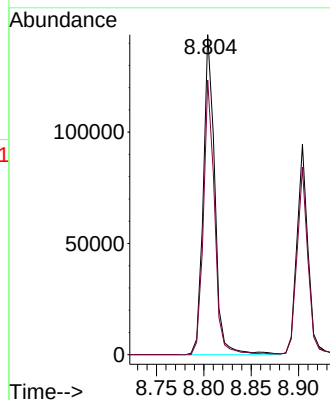
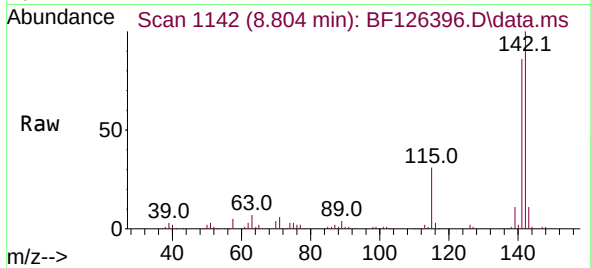
PSC124055DL

Tgt Ion:142 Resp: 12222
Ion Ratio Lower Upper
142 100
141 85.8 71.2 106.8

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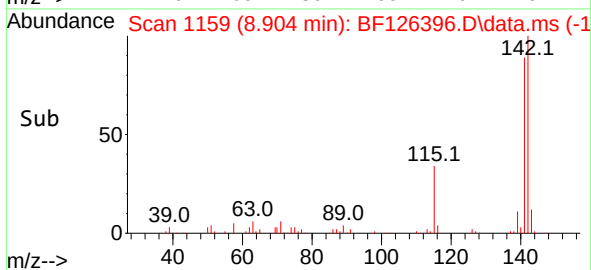
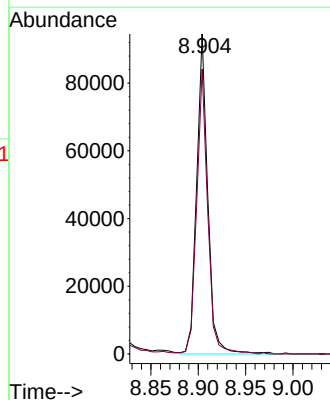
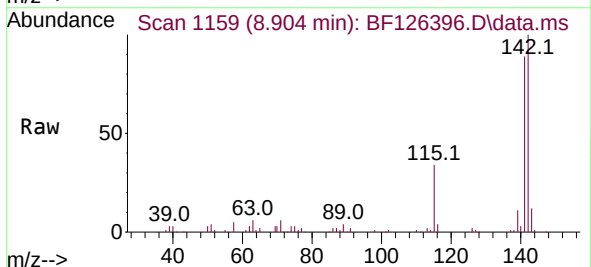
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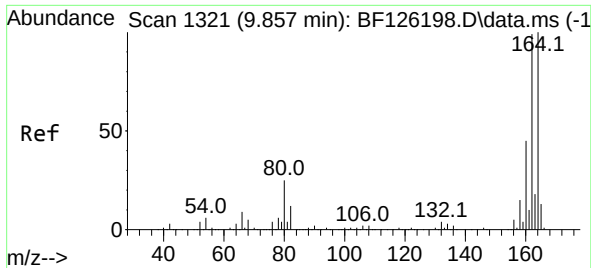
Reviewed By :Jagrut Upadhyay 12/29/2021
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#38
1-Methylnaphthalene
Concen: 7.030 ng
RT: 8.904 min Scan# 1159
Delta R.T. -0.012 min
Lab File: BF126396.D
Acq: 28 Dec 2021 23:00

Tgt Ion:142 Resp: 77575
Ion Ratio Lower Upper
142 100
141 89.0 76.0 114.0





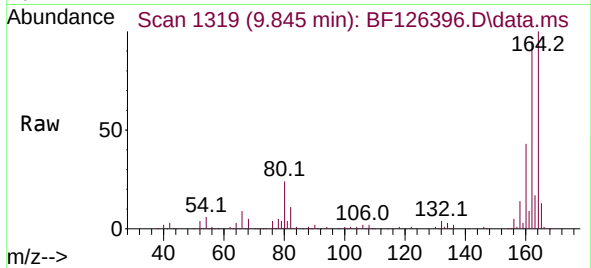
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.845 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF126396.D
Acq: 28 Dec 2021 23:00

Instrument :

BNA_F

ClientSampleId :

PSC124055DL

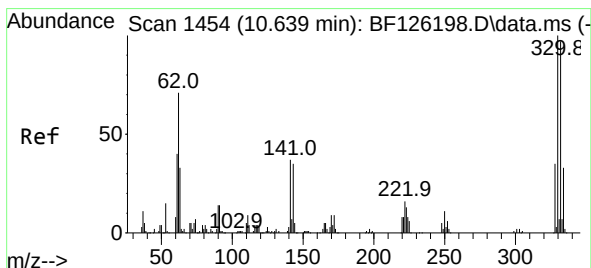
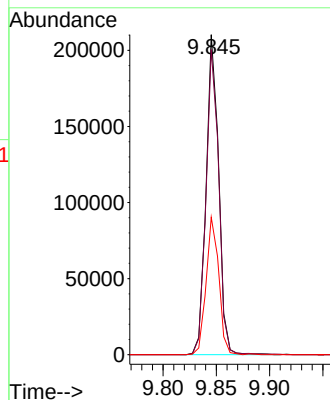
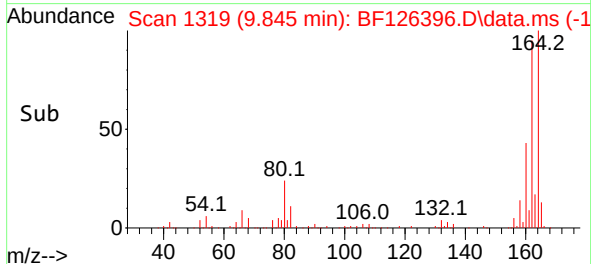


Tgt Ion:164 Resp: 173152
Ion Ratio Lower Upper
164 100
162 95.3 81.3 121.9
160 42.9 38.0 57.0

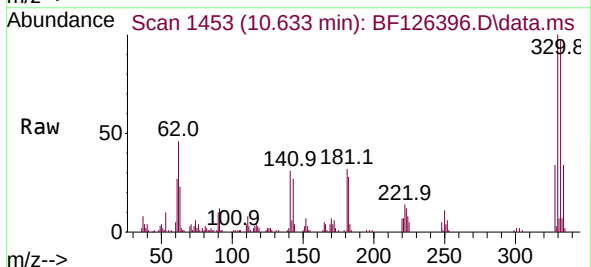
Manual Integrations

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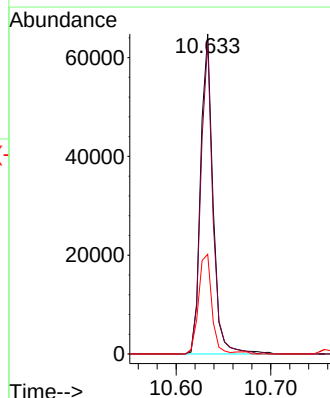
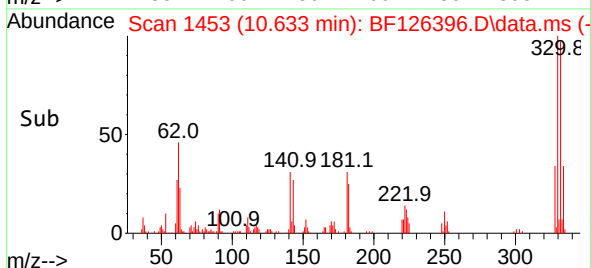
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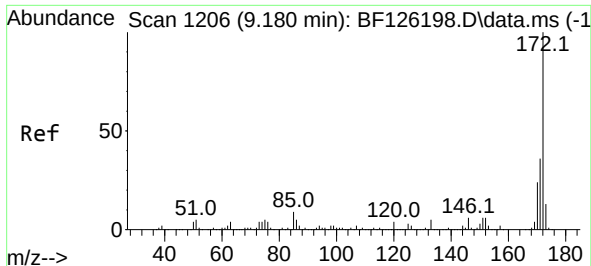


#42
2,4,6-Tribromophenol
Concen: 42.206 ng
RT: 10.633 min Scan# 1453
Delta R.T. -0.012 min
Lab File: BF126396.D
Acq: 28 Dec 2021 23:00



Tgt Ion:330 Resp: 58731
Ion Ratio Lower Upper
330 100
332 94.6 76.2 114.4
141 34.1 44.6 66.8#





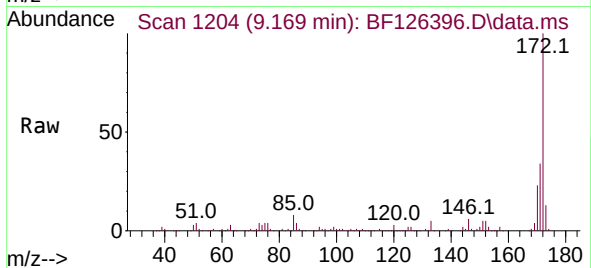
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2-Fluorobiphenyl
Concen: 29.770 ng
RT: 9.169 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF126396.D
Acq: 28 Dec 2021 23:00

Instrument :

BNA_F

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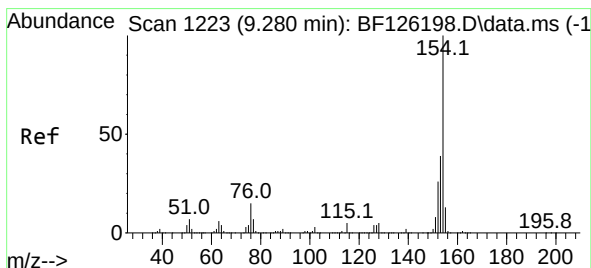
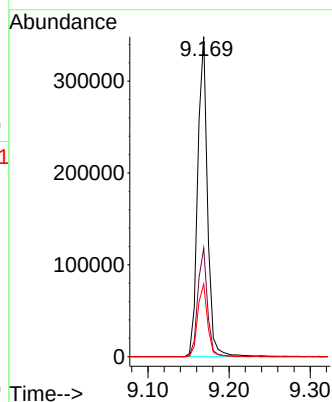
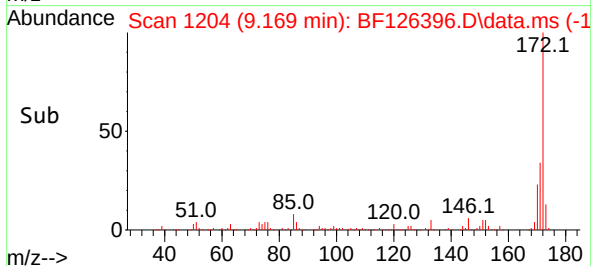


Tgt Ion:172 Resp: 29390
Ion Ratio Lower Upper
172 100
171 33.9 26.5 39.7
170 22.7 18.8 28.2

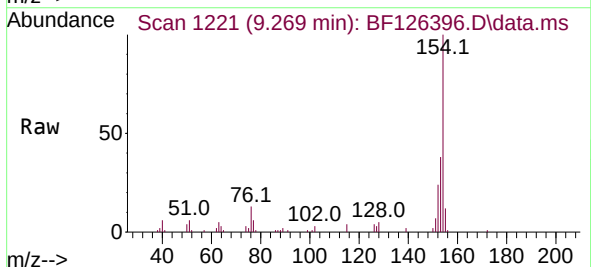
Manual Integrations

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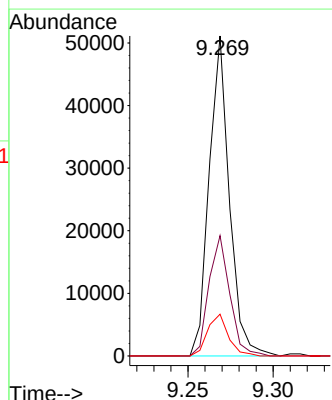
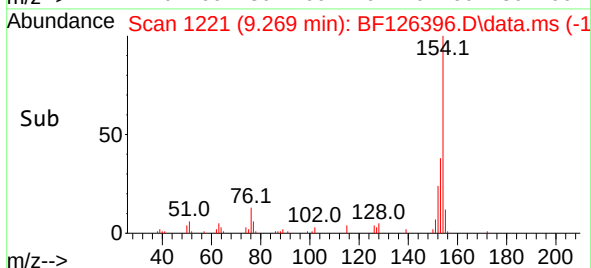
Reviewed By :Jagrut Upadhyay 12/29/2021
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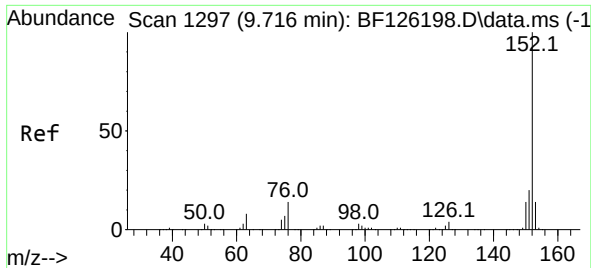


#46
1,1'-Biphenyl
Concen: 3.297 ng
RT: 9.269 min Scan# 1221
Delta R.T. -0.012 min
Lab File: BF126396.D
Acq: 28 Dec 2021 23:00



Tgt Ion:154 Resp: 42208
Ion Ratio Lower Upper
154 100
153 37.6 20.0 60.0
76 13.1 0.0 30.3





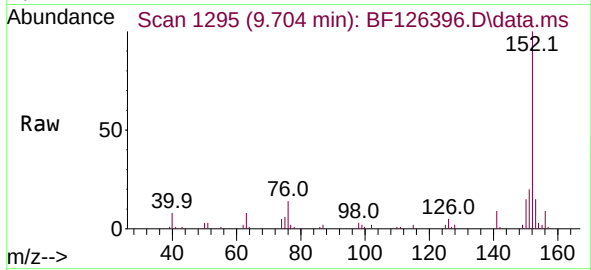
#49
Acenaphthylene
Concen: 2.163 ng
RT: 9.704 min Scan# 1295
Delta R.T. -0.012 min
Lab File: BF126396.D
Acq: 28 Dec 2021 23:00

Instrument :

BNA_F

ClientSampleId :

PSC124055DL

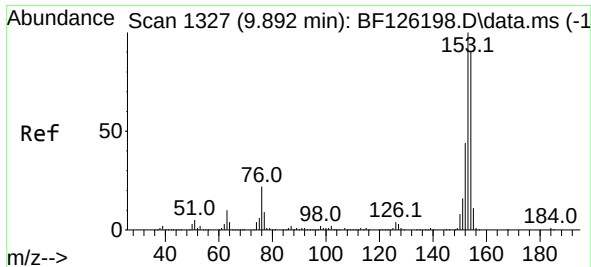
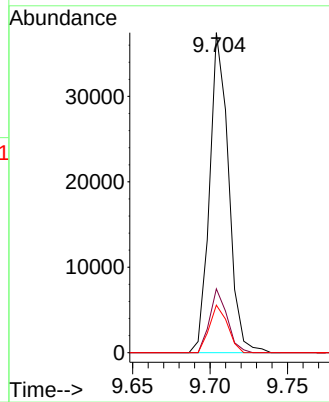
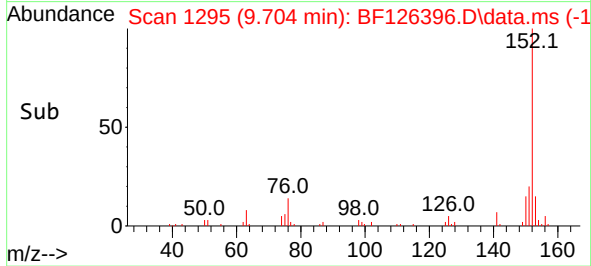


Tgt Ion:152 Resp: 3184
Ion Ratio Lower Upper
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151 20.0 15.7 23.5
153 14.9 9.8 14.8

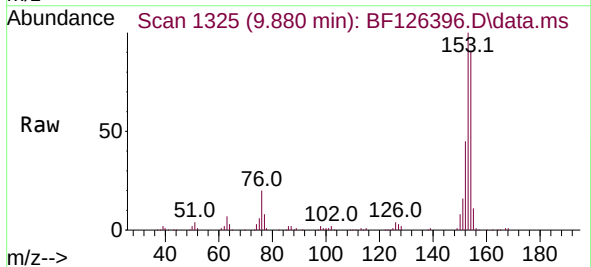
Manual Integrations

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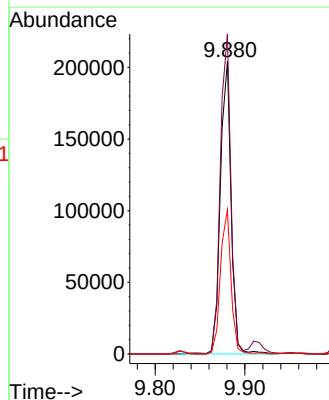
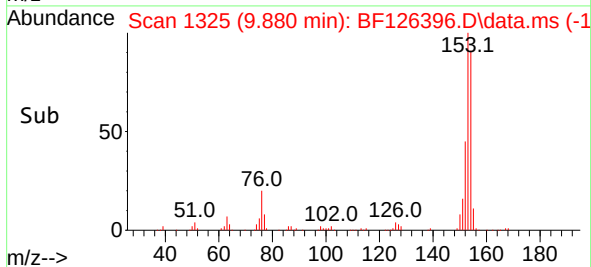
Reviewed By :Jagrut Upadhyay 12/29/2021
Supervised By :mohammad ahmed 12/30/2021

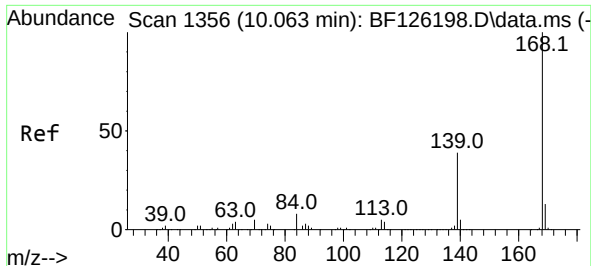


#52
Acenaphthene
Concen: 17.751 ng
RT: 9.880 min Scan# 1325
Delta R.T. -0.012 min
Lab File: BF126396.D
Acq: 28 Dec 2021 23:00



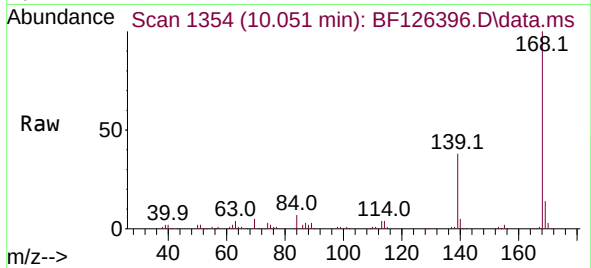
Tgt Ion:154 Resp: 169438
Ion Ratio Lower Upper
154 100
153 109.4 89.4 134.2
152 49.3 40.5 60.7





#55
Dibenzenofuran
Concen: 10.442 ng
RT: 10.051 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF126396.D
Acq: 28 Dec 2021 23:00

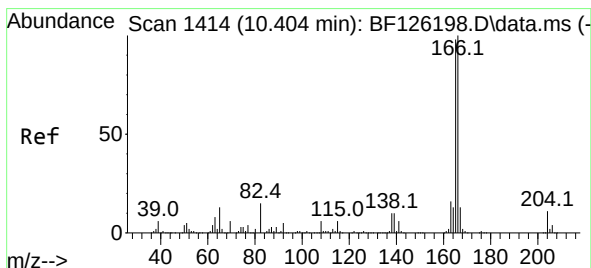
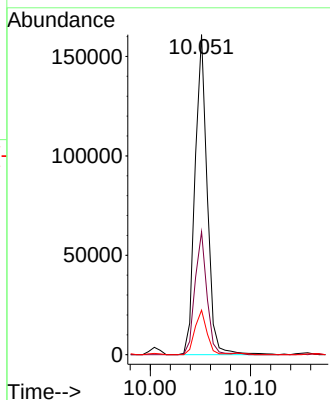
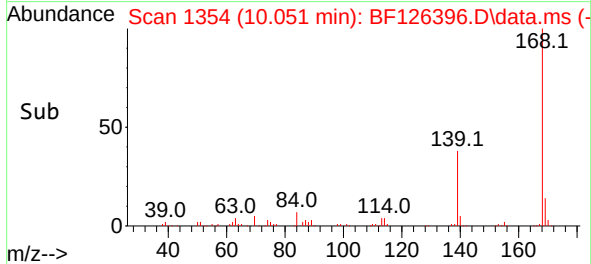
Instrument :
BNA_F
ClientSampleId :
PSC124055DL



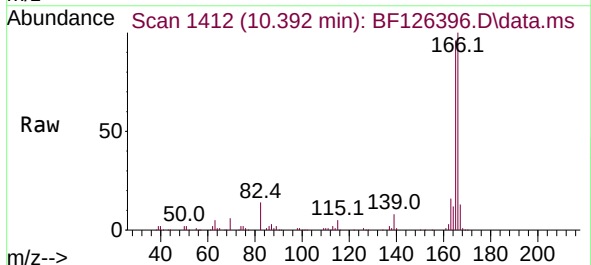
Tgt Ion:168 Resp: 13570
Ion Ratio Lower Upper
168 100
139 38.4 32.7 49.1
169 13.9 11.2 16.8

Manual Integrations
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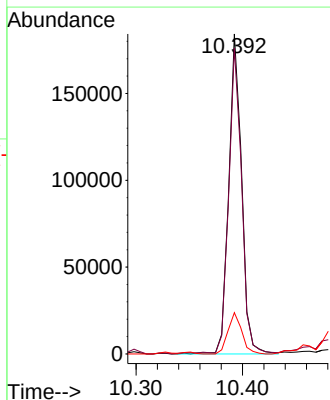
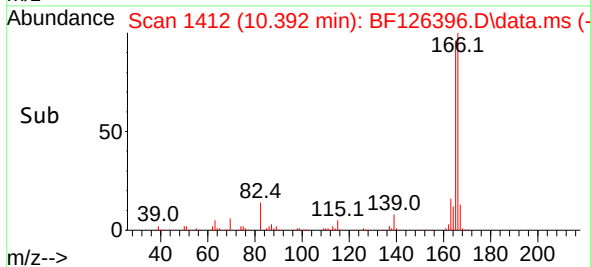
Reviewed By :Jagrut Upadhyay 12/29/2021
Supervised By :mohammad ahmed 12/30/2021

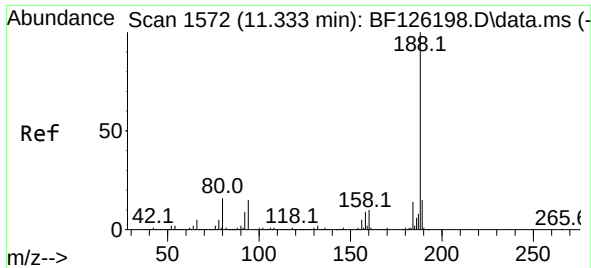


#58
Fluorene
Concen: 16.498 ng
RT: 10.392 min Scan# 1412
Delta R.T. -0.012 min
Lab File: BF126396.D
Acq: 28 Dec 2021 23:00



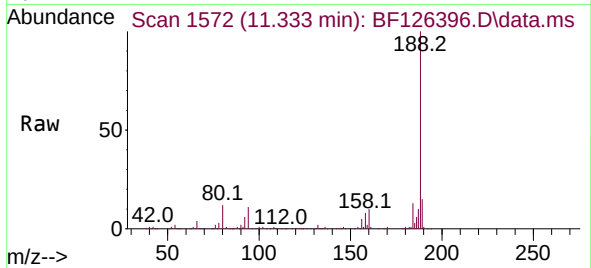
Tgt Ion:166 Resp: 155218
Ion Ratio Lower Upper
166 100
165 95.6 78.1 117.1
167 12.9 11.1 16.7





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.333 min Scan# 1572
Delta R.T. -0.006 min
Lab File: BF126396.D
Acq: 28 Dec 2021 23:00

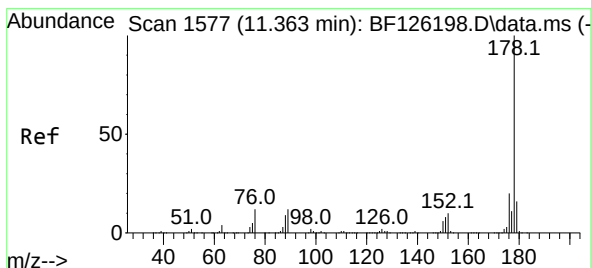
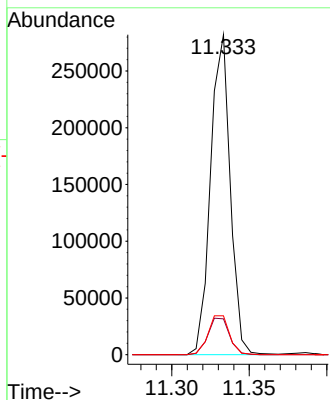
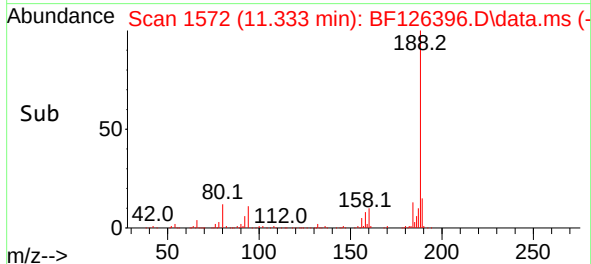
Instrument :
BNA_F
ClientSampleId :
PSC124055DL



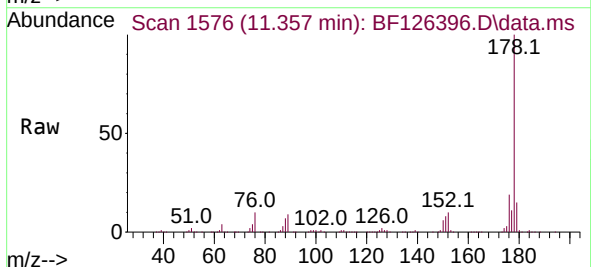
Tgt Ion:188 Resp: 248933
Ion Ratio Lower Upper
188 100
94 11.2 6.7 10.1
80 12.1 7.5 11.3

Manual Integrations
APPROVED

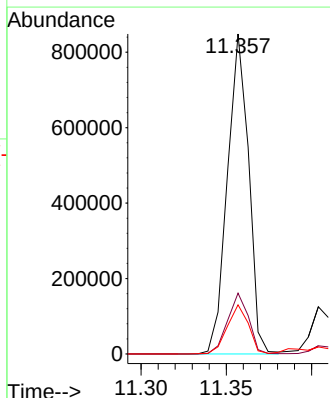
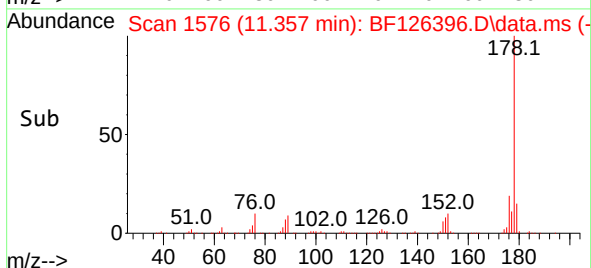
Reviewed By :Jagrut Upadhyay 12/29/2021
Supervised By :mohammad ahmed 12/30/2021

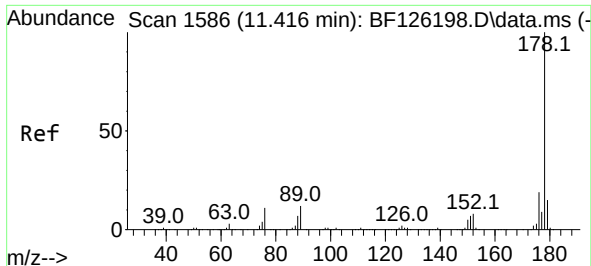


#71
Phenanthrene
Concen: 57.182 ng
RT: 11.357 min Scan# 1576
Delta R.T. -0.006 min
Lab File: BF126396.D
Acq: 28 Dec 2021 23:00



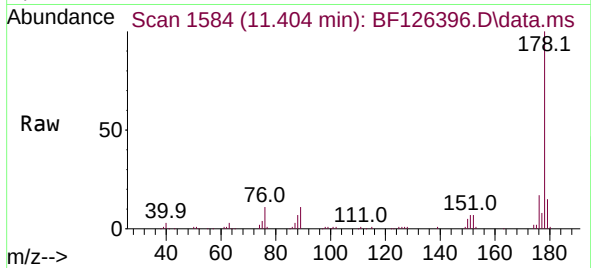
Tgt Ion:178 Resp: 734679
Ion Ratio Lower Upper
178 100
176 19.0 14.7 22.1
179 15.4 11.5 17.3





#72
 Anthracene
 Concen: 8.121 ng
 RT: 11.404 min Scan# 1584
 Delta R.T. -0.012 min
 Lab File: BF126396.D
 Acq: 28 Dec 2021 23:00

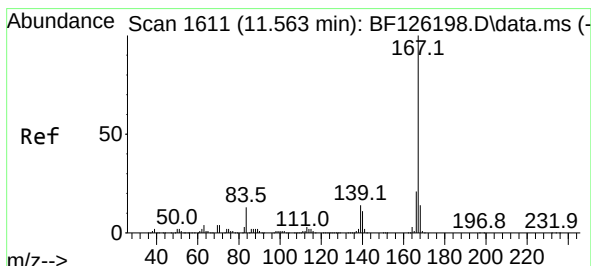
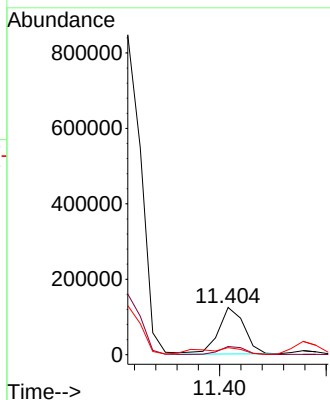
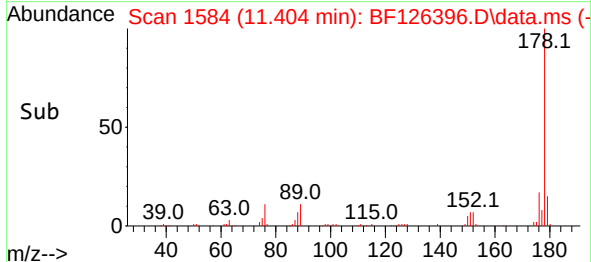
Instrument :
 BNA_F
 ClientSampleId :
 PSC124055DL



Tgt Ion:178 Resp: 10472
 Ion Ratio Lower Upper
 178 100
 176 17.5 14.3 21.5
 179 15.1 12.2 18.4

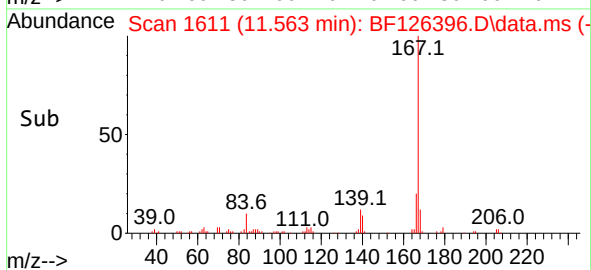
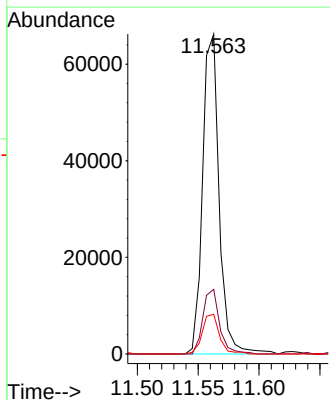
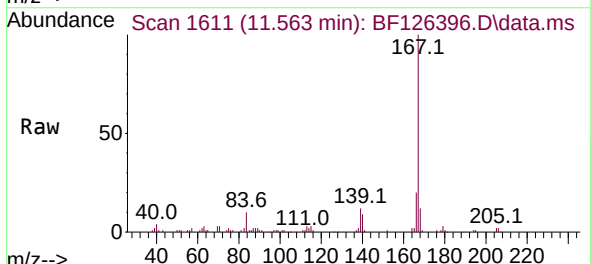
Manual Integrations
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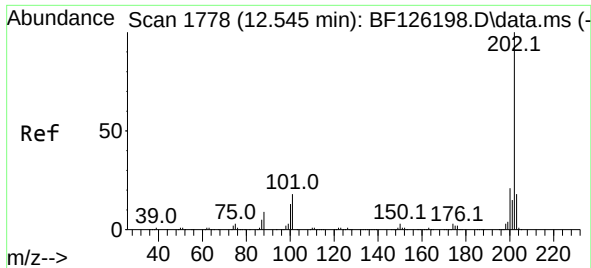
Reviewed By :Jagrut Upadhyay 12/29/2021
 Supervised By :mohammad ahmed 12/30/2021



#73
 Carbazole
 Concen: 5.138 ng
 RT: 11.563 min Scan# 1611
 Delta R.T. -0.006 min
 Lab File: BF126396.D
 Acq: 28 Dec 2021 23:00

Tgt Ion:167 Resp: 62404
 Ion Ratio Lower Upper
 167 100
 166 20.2 17.4 26.0
 139 12.4 11.0 16.4





#75
Fluoranthene
Concen: 51.232 ng
RT: 12.545 min Scan# 1778
Delta R.T. -0.006 min
Lab File: BF126396.D
Acq: 28 Dec 2021 23:00

Instrument :

BNA_F

ClientSampleId :

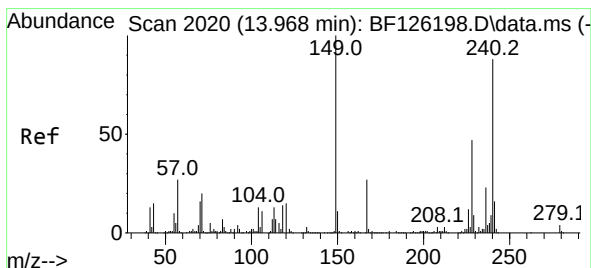
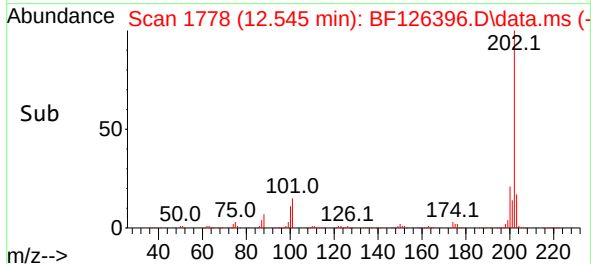
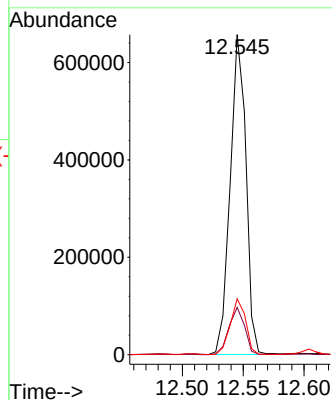
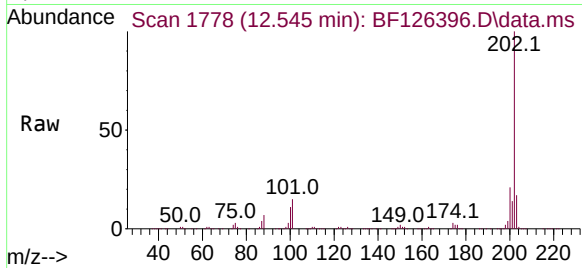
PSC124055DL

Tgt Ion:202 Resp: 593050
Ion Ratio Lower Upper
202 100
101 14.7 0.0 30.7
203 17.4 0.0 36.3

Manual Integrations

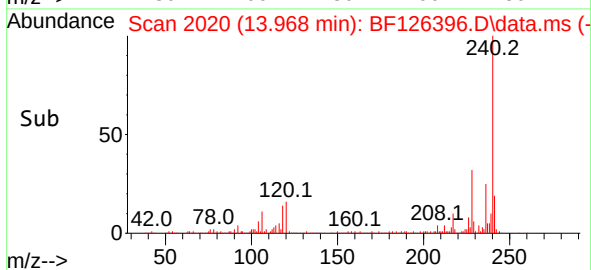
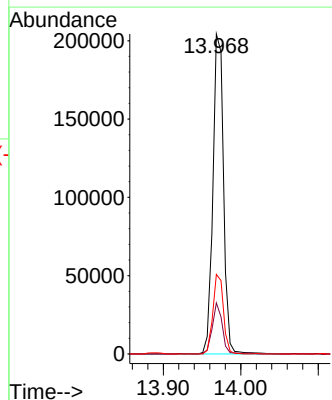
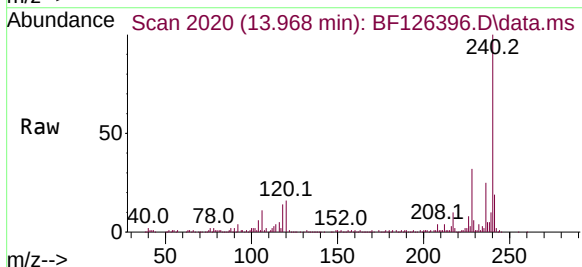
APPROVED

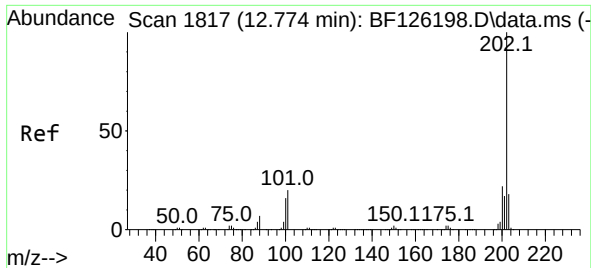
Reviewed By :Jagrut Upadhyay 12/29/2021
Supervised By :mohammad ahmed 12/30/2021



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.968 min Scan# 2020
Delta R.T. -0.012 min
Lab File: BF126396.D
Acq: 28 Dec 2021 23:00

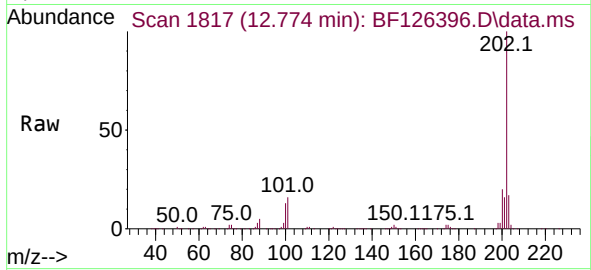
Tgt Ion:240 Resp: 194920
Ion Ratio Lower Upper
240 100
120 15.9 10.8 16.2
236 24.8 21.6 32.4





#78
Pyrene
Concen: 25.911 ng
RT: 12.774 min Scan# 1817
Delta R.T. -0.006 min
Lab File: BF126396.D
Acq: 28 Dec 2021 23:00

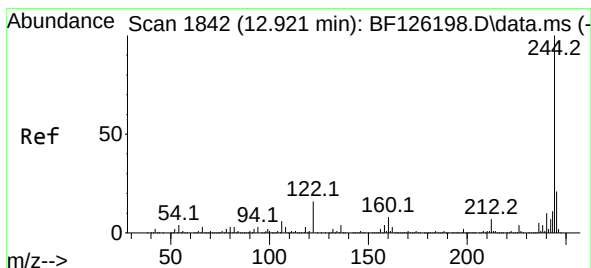
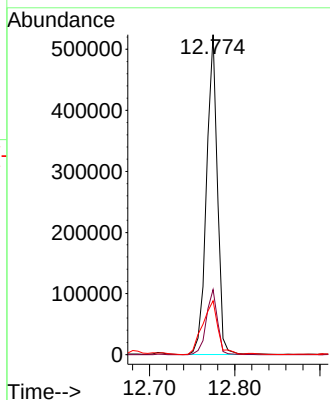
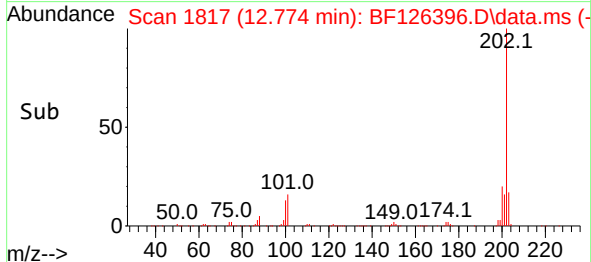
Instrument :
BNA_F
ClientSampleId :
PSC124055DL



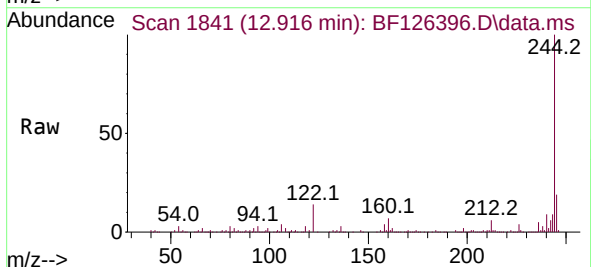
Tgt Ion:202 Resp: 464009
Ion Ratio Lower Upper
202 100
200 20.4 15.3 22.9
203 16.9 13.4 20.0

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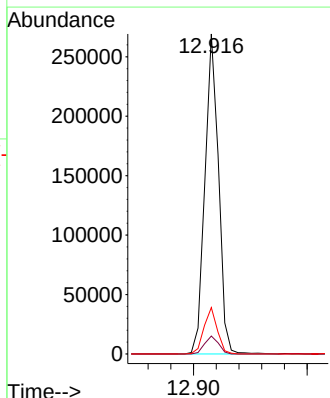
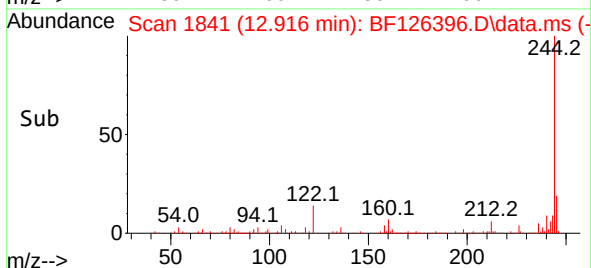
Reviewed By :Jagrut Upadhyay 12/29/2021
Supervised By :mohammad ahmed 12/30/2021

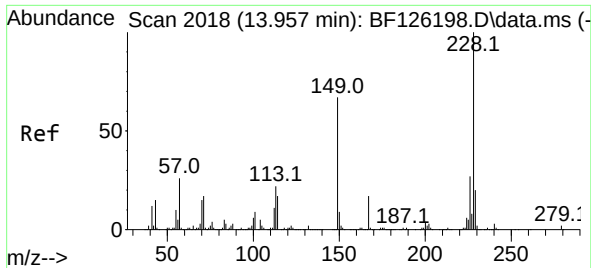


#79
Terphenyl-d14
Concen: 19.955 ng
RT: 12.916 min Scan# 1841
Delta R.T. -0.012 min
Lab File: BF126396.D
Acq: 28 Dec 2021 23:00



Tgt Ion:244 Resp: 223789
Ion Ratio Lower Upper
244 100
212 5.6 5.9 8.9#
122 14.5 9.0 13.4#





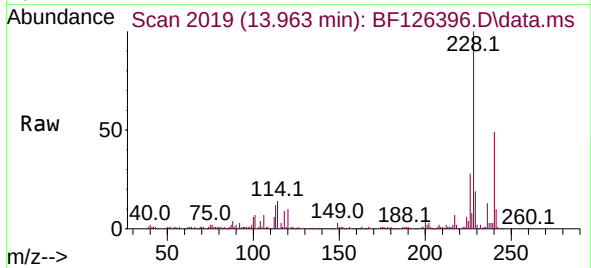
#81
Benzo(a)anthracene
Concen: 13.998 ng
RT: 13.963 min Scan# 2018
Delta R.T. -0.006 min
Lab File: BF126396.D
Acq: 28 Dec 2021 23:00

Instrument :

BNA_F

ClientSampleId :

PSC124055DL

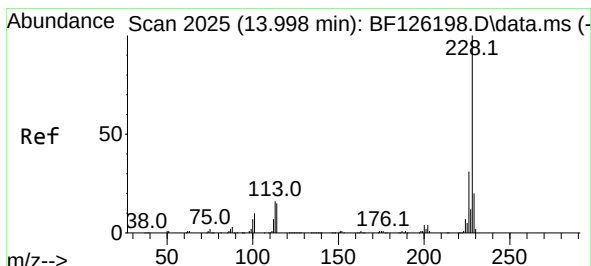
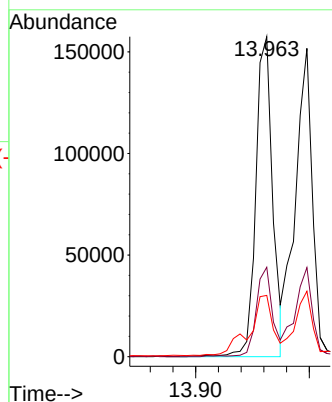
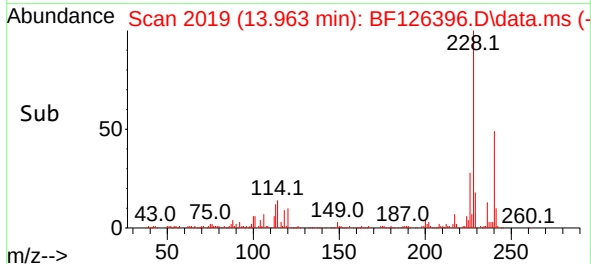


Tgt Ion:228 Resp: 161624
Ion Ratio Lower Upper
228 100
226 27.9 21.6 32.4
229 19.1 15.6 23.4

Manual Integrations

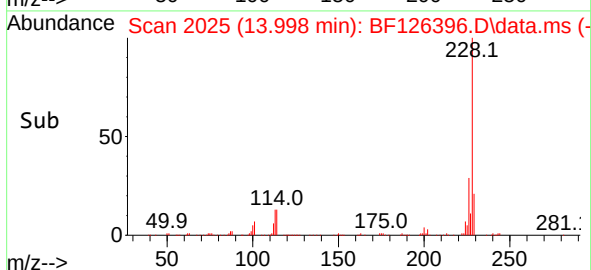
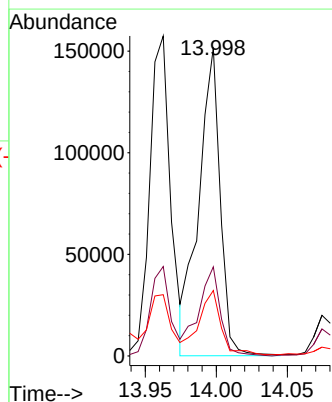
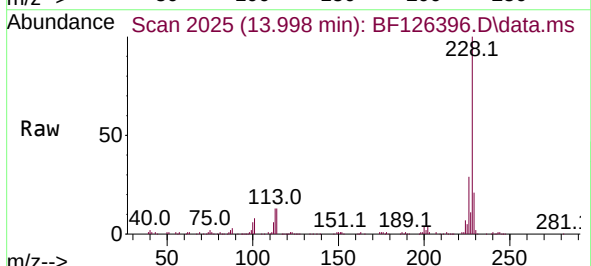
APPROVED

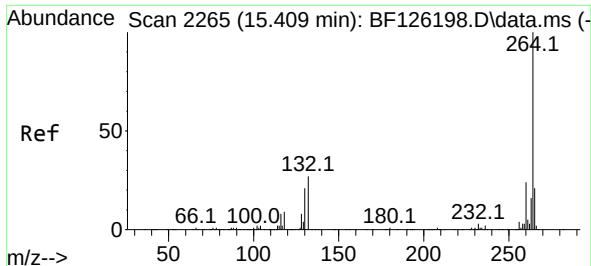
Reviewed By :Jagrut Upadhyay 12/29/2021
Supervised By :mohammad ahmed 12/30/2021



#83
Chrysene
Concen: 13.310 ng
RT: 13.998 min Scan# 2025
Delta R.T. -0.006 min
Lab File: BF126396.D
Acq: 28 Dec 2021 23:00

Tgt Ion:228 Resp: 159671
Ion Ratio Lower Upper
228 100
226 28.9 22.6 34.0
229 21.2 15.9 23.9





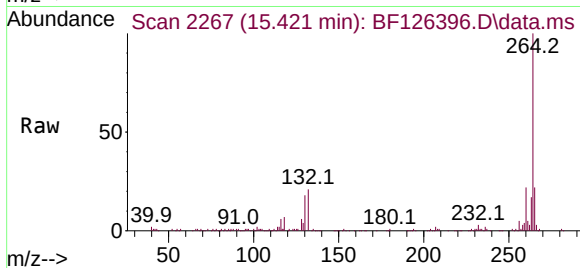
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.421 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF126396.D
Acq: 28 Dec 2021 23:00

Instrument :

BNA_F

ClientSampleId :

PSC124055DL

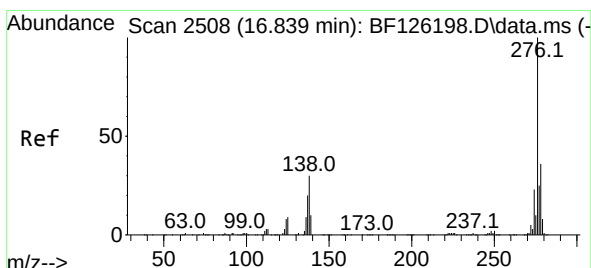
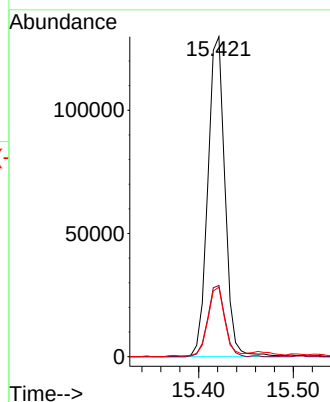
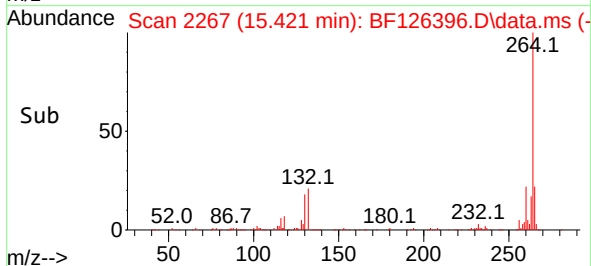


Tgt Ion:264 Resp: 16285
Ion Ratio Lower Upper
264 100
260 22.3 19.6 29.4
265 21.7 17.2 25.8

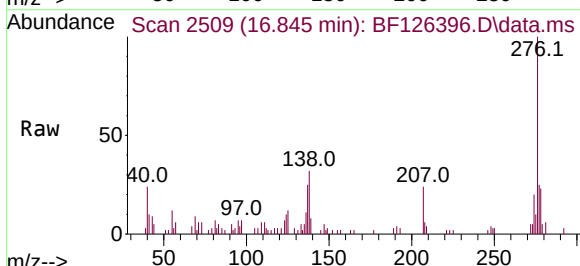
Manual Integrations

APPROVED

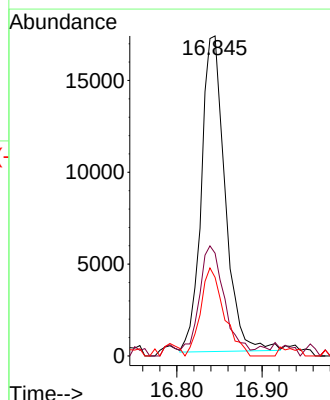
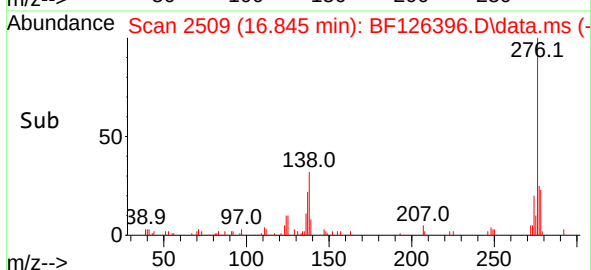
Reviewed By :Jagrut Upadhyay 12/29/2021
Supervised By :mohammad ahmed 12/30/2021

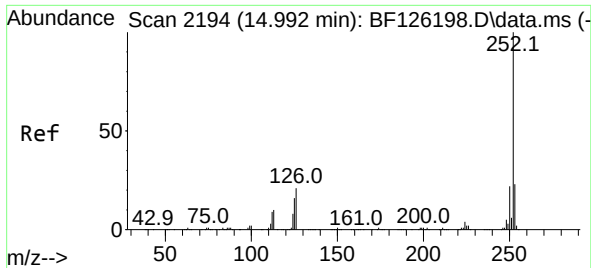


#87
Indeno(1,2,3-cd)pyrene
Concen: 3.059 ng
RT: 16.845 min Scan# 2509
Delta R.T. -0.018 min
Lab File: BF126396.D
Acq: 28 Dec 2021 23:00



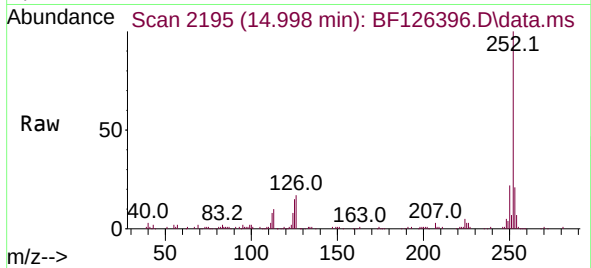
Tgt Ion:276 Resp: 33227
Ion Ratio Lower Upper
276 100
138 37.7 24.1 36.1#
277 27.4 18.8 28.2





#88
Benzo(b)fluoranthene
Concen: 13.864 ng m
RT: 14.998 min Scan# 2194
Delta R.T. -0.006 min
Lab File: BF126396.D
Acq: 28 Dec 2021 23:00

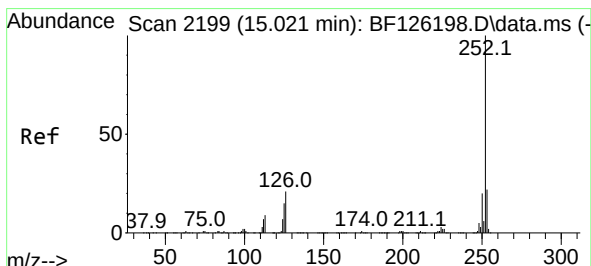
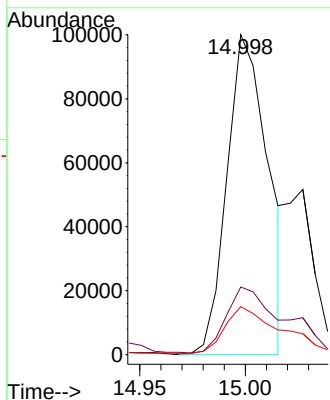
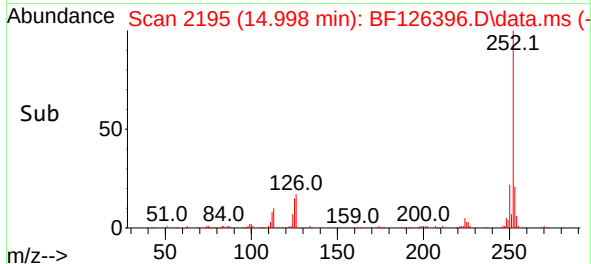
Instrument :
BNA_F
ClientSampleId :
PSC124055DL



Tgt Ion:252 Resp: 13564
Ion Ratio Lower Upper
252 100
253 21.2 16.8 25.2
125 15.0 9.8 14.8

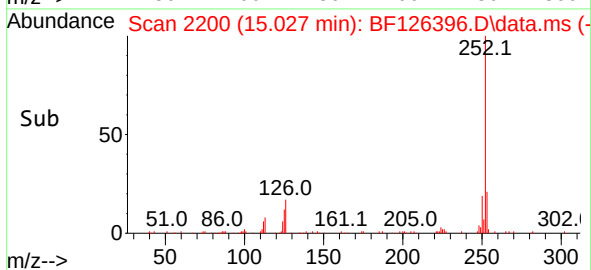
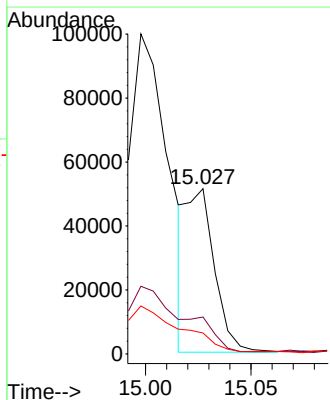
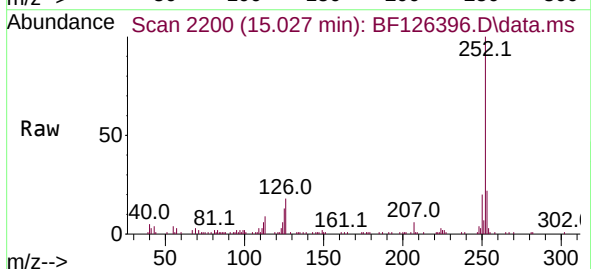
Manual Integrations
APPROVED

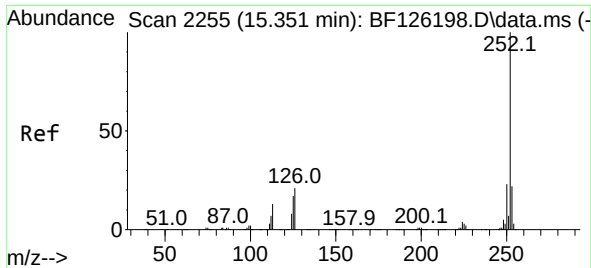
Reviewed By :Jagrut Upadhyay 12/29/2021
Supervised By :mohammad ahmed 12/30/2021



#89
Benzo(k)fluoranthene
Concen: 4.997 ng m
RT: 15.027 min Scan# 2200
Delta R.T. -0.006 min
Lab File: BF126396.D
Acq: 28 Dec 2021 23:00

Tgt Ion:252 Resp: 46775
Ion Ratio Lower Upper
252 100
253 22.3 17.8 26.8
125 12.7 7.2 10.8





#90
Benzo(a)pyrene
Concen: 9.078 ng
RT: 15.357 min Scan# 2256
Delta R.T. -0.006 min
Lab File: BF126396.D
Acq: 28 Dec 2021 23:00

Instrument :

BNA_F

ClientSampleId :

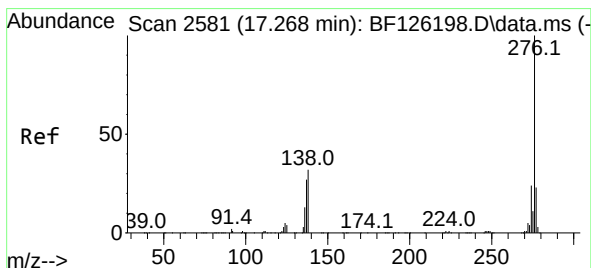
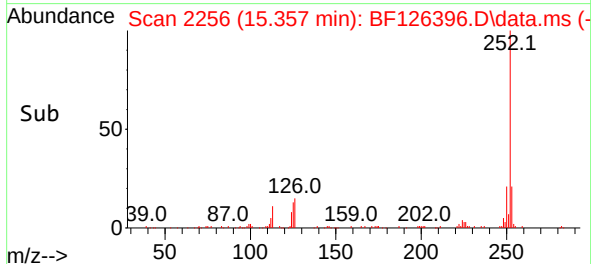
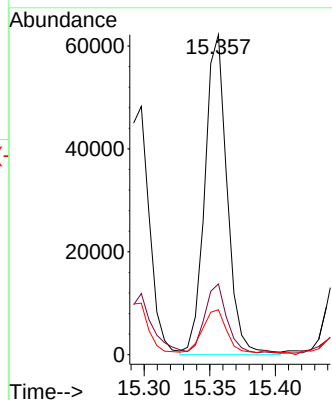
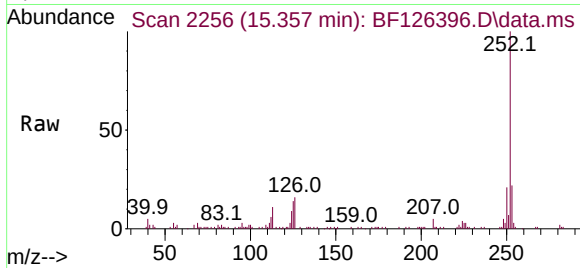
PSC124055DL

Tgt Ion:252 Resp: 73828
Ion Ratio Lower Upper
252 100
253 22.1 18.4 27.6
125 14.1 9.9 14.9

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 12/29/2021
Supervised By :mohammad ahmed 12/30/2021



#92
Benzo(g,h,i)perylene
Concen: 3.401 ng m
RT: 17.268 min Scan# 2581
Delta R.T. -0.029 min
Lab File: BF126396.D
Acq: 28 Dec 2021 23:00

Tgt Ion:276 Resp: 31076
Ion Ratio Lower Upper
276 100
277 19.0 22.0 33.0#
138 33.9 22.2 33.4#

