

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012522\
 Data File : BF126672.D
 Acq On : 25 Jan 2022 19:10
 Operator : CG/JU
 Sample : N1245-10
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-5(3.5-4)

Quant Time: Jan 26 00:22:43 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011822.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 19 07:04:14 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Christian Giraldo 01/26/2022
 Supervised By : Jagrut Upadhyay 01/26/2022

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.963	152	115838	20.000	ng	0.00
21) Naphthalene-d8	8.245	136	440270	20.000	ng	0.00
39) Acenaphthene-d10	10.004	164	240188	20.000	ng	0.00
64) Phenanthrene-d10	11.498	188	371174	20.000	ng	0.00
76) Chrysene-d12	14.145	240	231882	20.000	ng	# 0.00
86) Perylene-d12	15.686	264	239808	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.587	112	920980	104.622	ng	0.00
7) Phenol-d6	6.581	99	1260299	103.044	ng	0.00
23) Nitrobenzene-d5	7.522	82	934112	83.045	ng	-0.01
42) 2,4,6-Tribromophenol	10.798	330	244628	108.831	ng	0.00
45) 2-Fluorobiphenyl	9.322	172	1161368	74.052	ng	0.00
79) Terphenyl-d14	13.086	244	905402	65.490	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.522	178	118235	5.576	ng	98
72) Anthracene	11.569	178	59814	2.811	ng	99
75) Fluoranthene	12.716	202	310148	14.807	ng	98
78) Pyrene	12.945	202	259146	13.820	ng	100
81) Benzo(a)anthracene	14.139	228	219545m	13.930	ng	
83) Chrysene	14.174	228	183835	12.122	ng	98
87) Indeno(1,2,3-cd)pyrene	17.239	276	92086	6.215	ng	# 85
88) Benzo(b)fluoranthene	15.227	252	225393m	14.173	ng	
89) Benzo(k)fluoranthene	15.257	252	91173m	5.839	ng	
90) Benzo(a)pyrene	15.615	252	187709m	14.507	ng	
91) Dibenzo(a,h)anthracene	17.245	278	28561m	2.327	ng	
92) Benzo(g,h,i)perylene	17.715	276	74237	6.168	ng	# 86

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

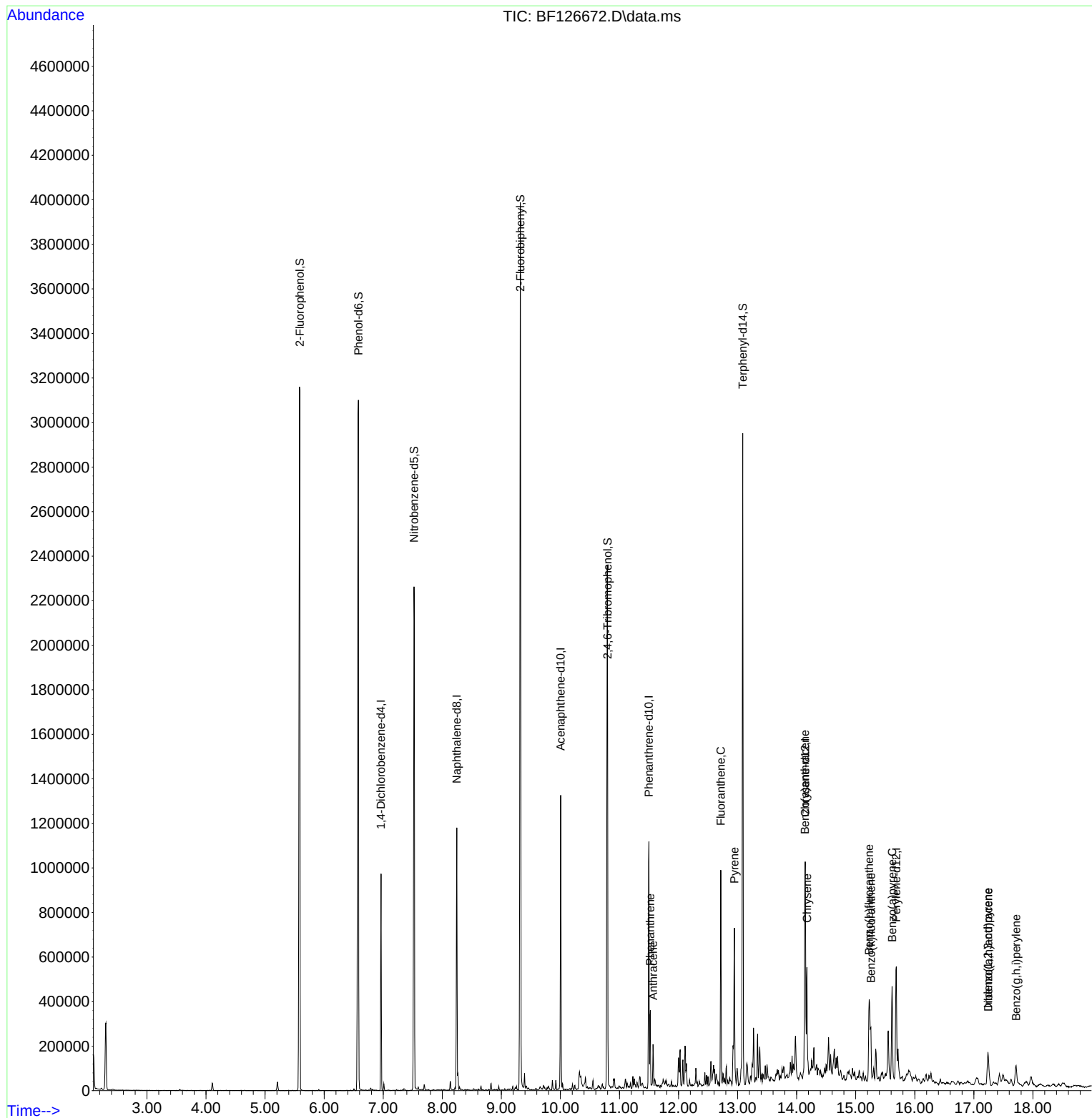
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012522\
Data File : BF126672.D
Acq On : 25 Jan 2022 19:10
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Sample : N1245-10
Misc :
ALS Vial : 20 Sample Multiplier: 1

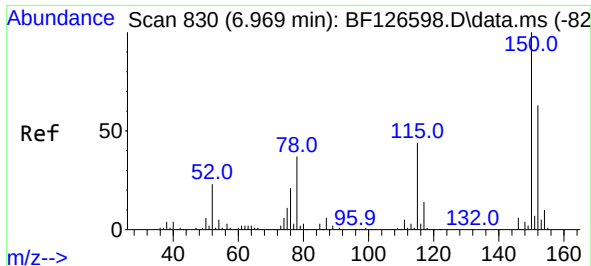
Instrument :
BNA_F
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SB-5(3.5-4)

Quant Time: Jan 26 00:22:43 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011822.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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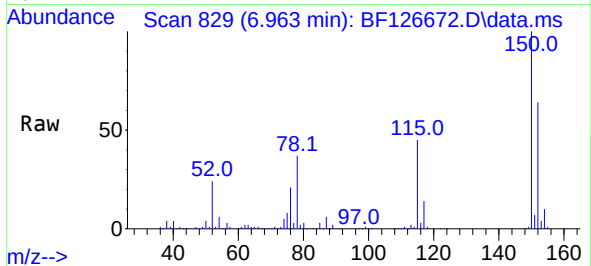
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Supervised By :Jagrut Upadhyay 01/26/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.963 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF126672.D
Acq: 25 Jan 2022 19:10

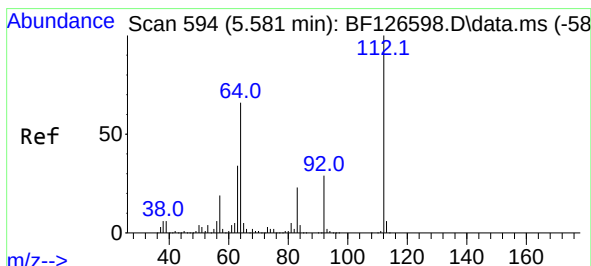
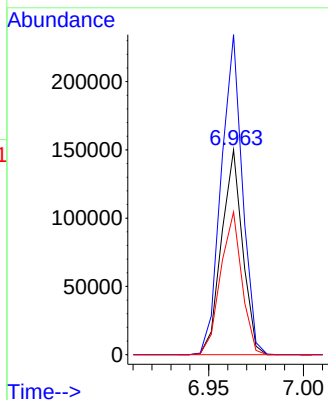
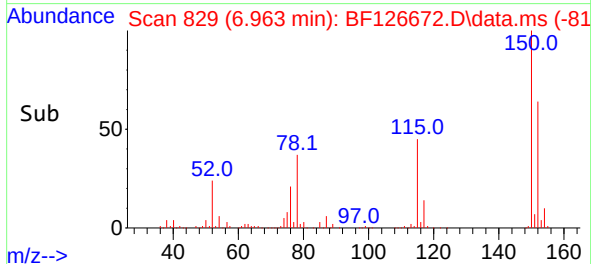
Instrument :
BNA_F
ClientSampleId :
SB-5(3.5-4)



Tgt Ion:152 Resp: 115838
Ion Ratio Lower Upper
152 100
150 156.3 128.1 192.1
115 69.8 56.7 85.1

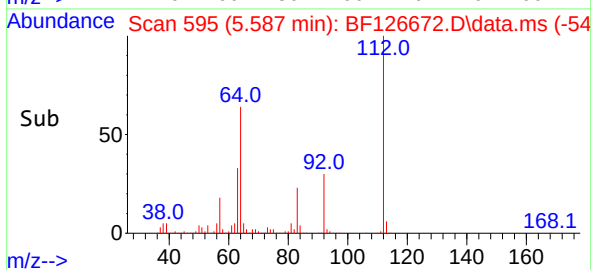
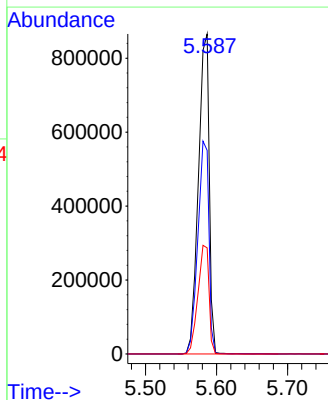
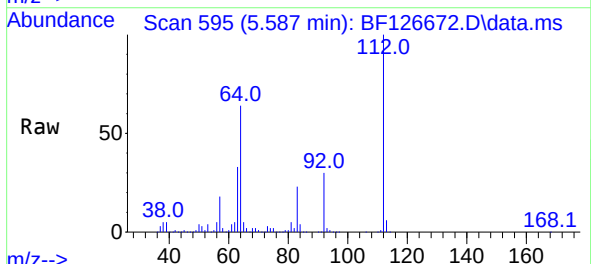
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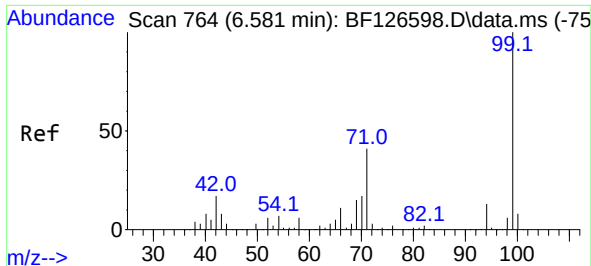
Reviewed By :Christian Giraldo 01/26/2022
Supervised By :Jagrut Upadhyay 01/26/2022



#5
2-Fluorophenol
Concen: 104.622 ng
RT: 5.587 min Scan# 595
Delta R.T. 0.006 min
Lab File: BF126672.D
Acq: 25 Jan 2022 19:10

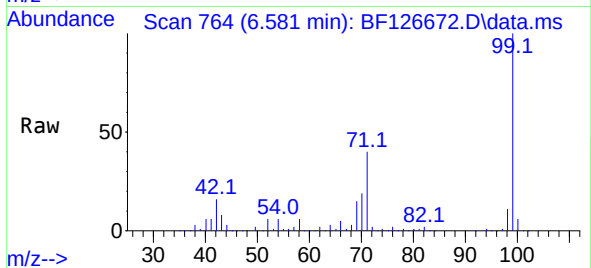
Tgt Ion:112 Resp: 920980
Ion Ratio Lower Upper
112 100
64 63.6 49.5 74.3
63 33.1 23.9 35.9





#7
Phenol-d6
Concen: 103.044 ng
RT: 6.581 min Scan# 764
Delta R.T. -0.000 min
Lab File: BF126672.D
Acq: 25 Jan 2022 19:10

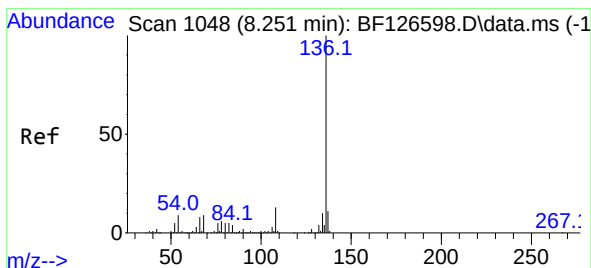
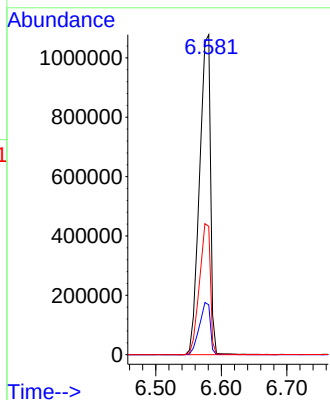
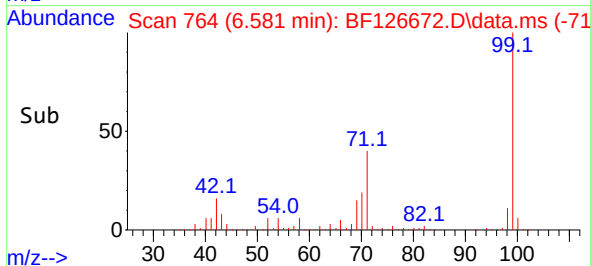
Instrument :
BNA_F
ClientSampleId :
SB-5(3.5-4)



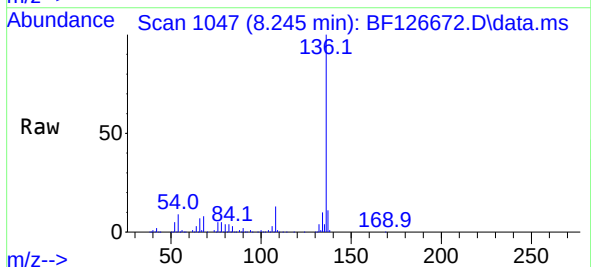
Tgt Ion: 99 Resp: 1260299
Ion Ratio Lower Upper
99 100
42 15.6 14.2 21.4
71 40.1 24.3 36.5

Manual Integrations
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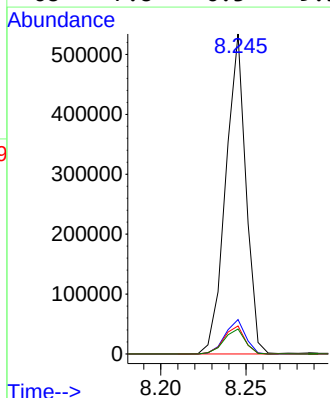
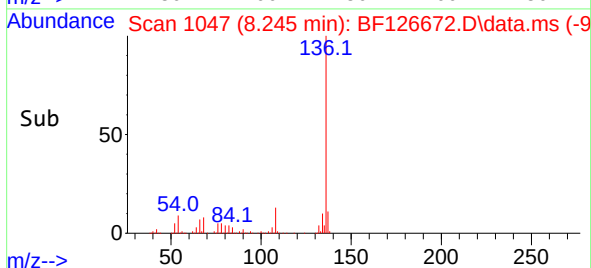
Reviewed By :Christian Giraldo 01/26/2022
Supervised By :Jagrut Upadhyay 01/26/2022

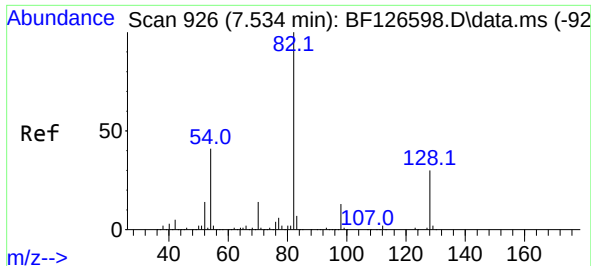


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.245 min Scan# 1047
Delta R.T. -0.006 min
Lab File: BF126672.D
Acq: 25 Jan 2022 19:10



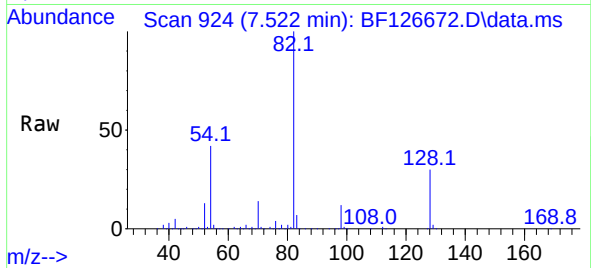
Tgt Ion:136 Resp: 440270
Ion Ratio Lower Upper
136 100
137 10.7 8.6 13.0
54 8.8 7.8 11.6
68 7.8 6.3 9.5





#23
Nitrobenzene-d5
Concen: 83.045 ng
RT: 7.522 min Scan# 91
Delta R.T. -0.012 min
Lab File: BF126672.D
Acq: 25 Jan 2022 19:10

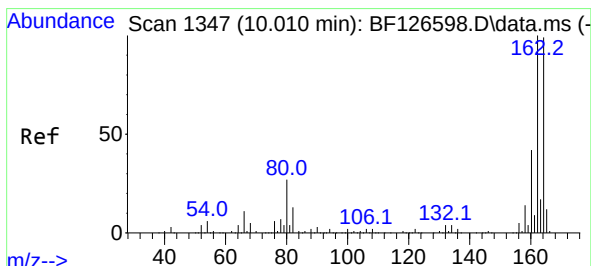
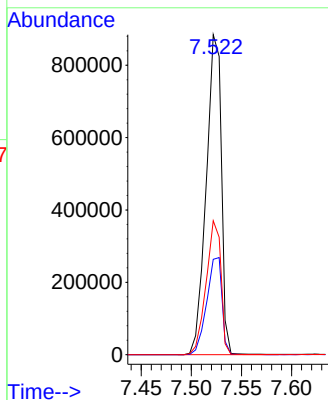
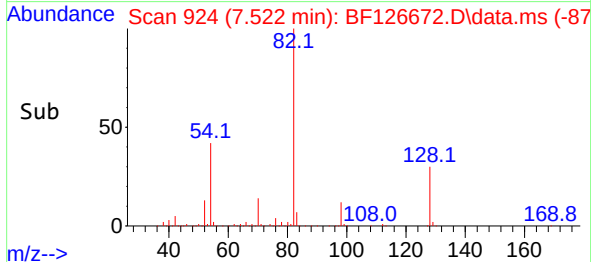
Instrument :
BNA_F
ClientSampleId :
SB-5(3.5-4)



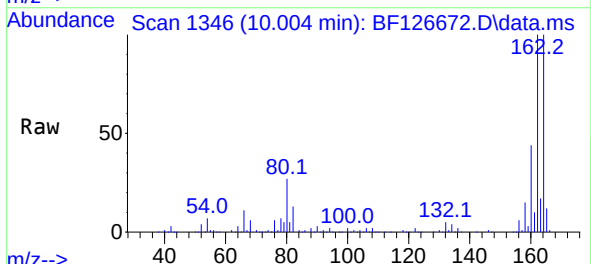
Tgt Ion: 82 Resp: 93411
Ion Ratio Lower Upper
82 100
128 29.8 32.7 49.1
54 41.8 41.7 62.5

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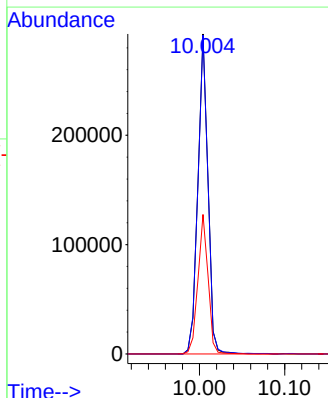
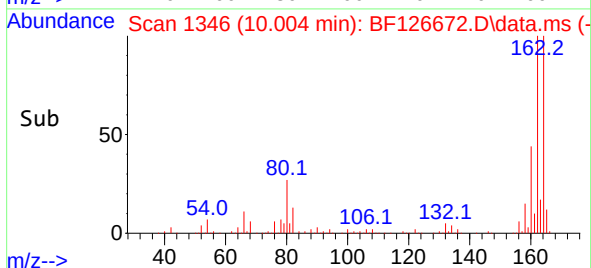
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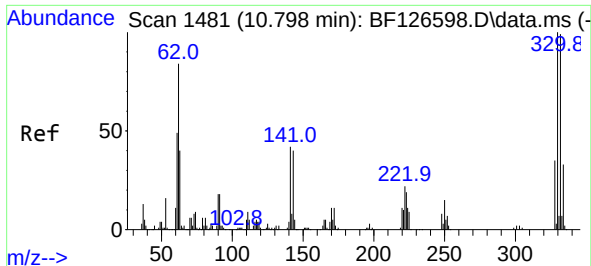


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.004 min Scan# 1346
Delta R.T. -0.006 min
Lab File: BF126672.D
Acq: 25 Jan 2022 19:10



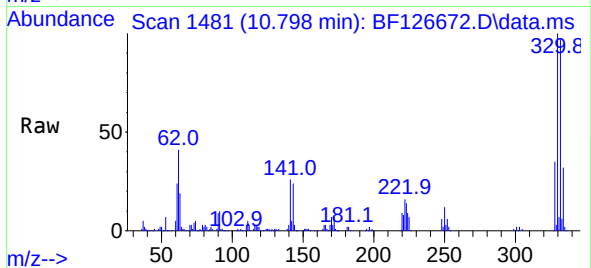
Tgt Ion:164 Resp: 240188
Ion Ratio Lower Upper
164 100
162 99.6 81.4 122.0
160 43.6 36.6 54.8





#42
2,4,6-Tribromophenol
Concen: 108.831 ng
RT: 10.798 min Scan# 1481
Delta R.T. -0.000 min
Lab File: BF126672.D
Acq: 25 Jan 2022 19:10

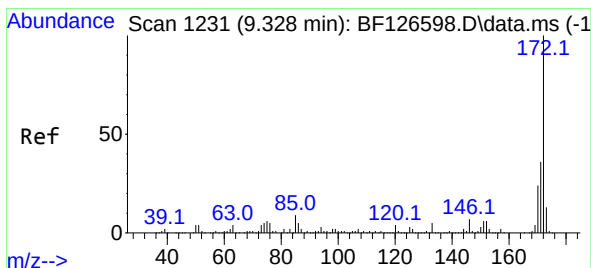
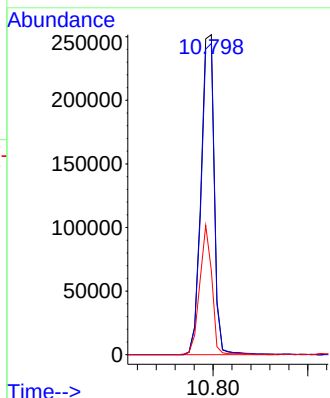
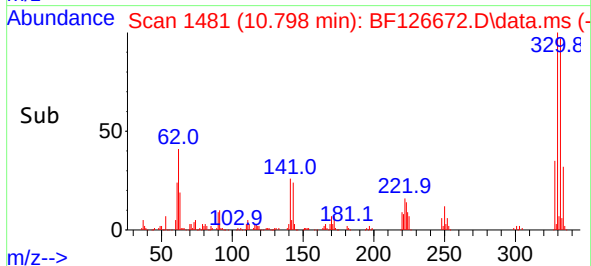
Instrument :
BNA_F
ClientSampleId :
SB-5(3.5-4)



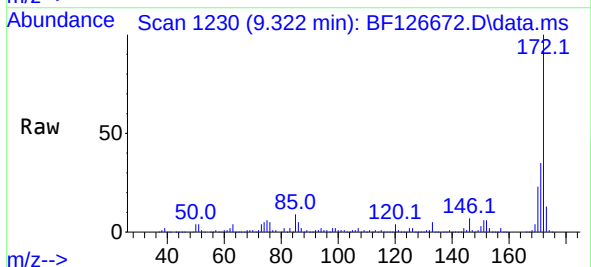
Tgt Ion:330 Resp: 244628
Ion Ratio Lower Upper
330 100
332 96.8 76.0 114.0
141 37.1 30.1 45.1

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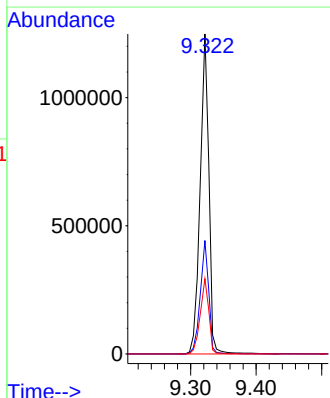
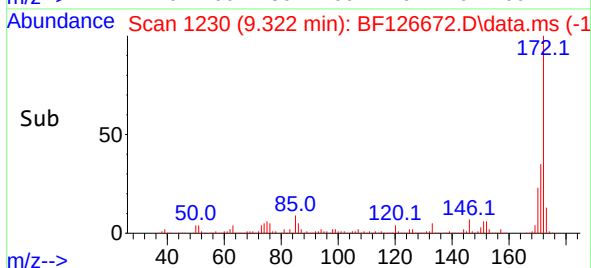
Reviewed By :Christian Giraldo 01/26/2022
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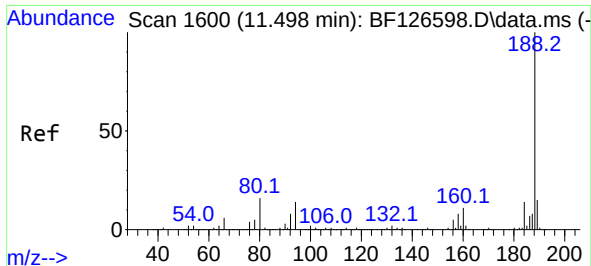


#45
2-Fluorobiphenyl
Concen: 74.052 ng
RT: 9.322 min Scan# 1230
Delta R.T. -0.006 min
Lab File: BF126672.D
Acq: 25 Jan 2022 19:10



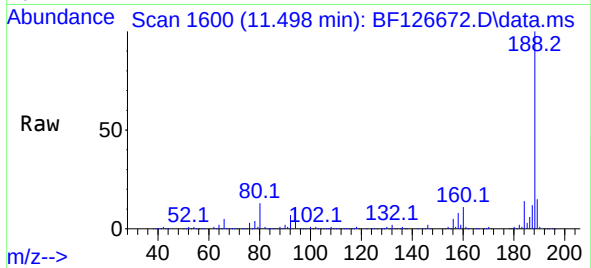
Tgt Ion:172 Resp: 1161368
Ion Ratio Lower Upper
172 100
171 35.4 28.3 42.5
170 23.5 19.0 28.6





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.498 min Scan# 10
Delta R.T. 0.000 min
Lab File: BF126672.D
Acq: 25 Jan 2022 19:10

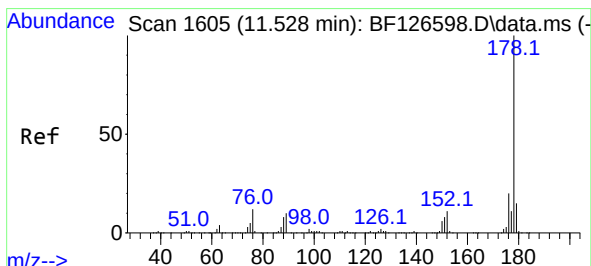
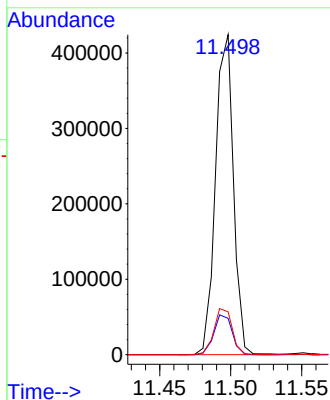
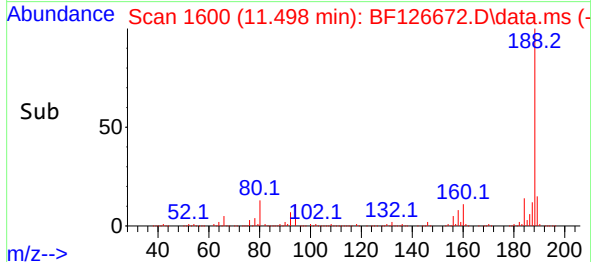
Instrument :
BNA_F
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SB-5(3.5-4)



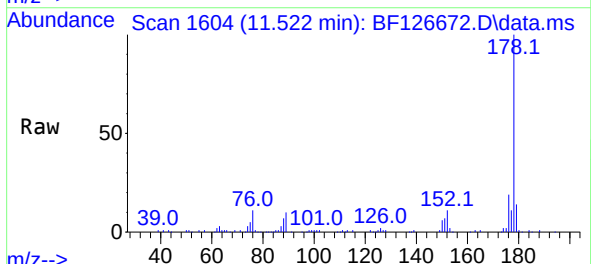
Tgt Ion:188 Resp: 371174
Ion Ratio Lower Upper
188 100
94 11.3 10.1 15.1
80 13.4 11.8 17.6

Manual Integrations
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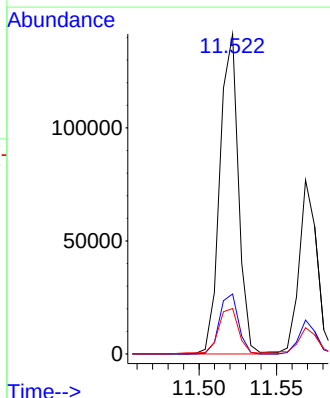
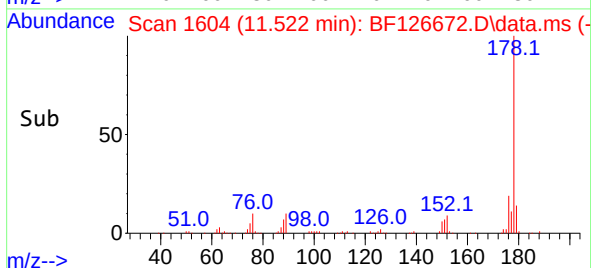
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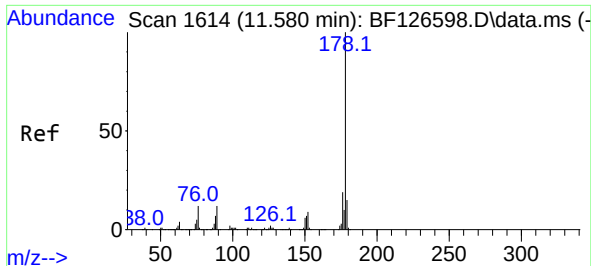


#71
Phenanthrene
Concen: 5.576 ng
RT: 11.522 min Scan# 1604
Delta R.T. -0.006 min
Lab File: BF126672.D
Acq: 25 Jan 2022 19:10



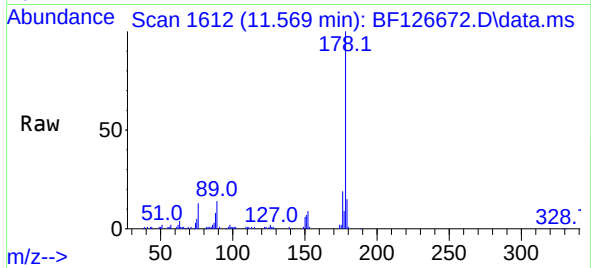
Tgt Ion:178 Resp: 118235
Ion Ratio Lower Upper
178 100
176 18.8 15.7 23.5
179 14.2 12.3 18.5





#72
 Anthracene
 Concen: 2.811 ng
 RT: 11.569 min Scan# 11
 Delta R.T. -0.012 min
 Lab File: BF126672.D
 Acq: 25 Jan 2022 19:10

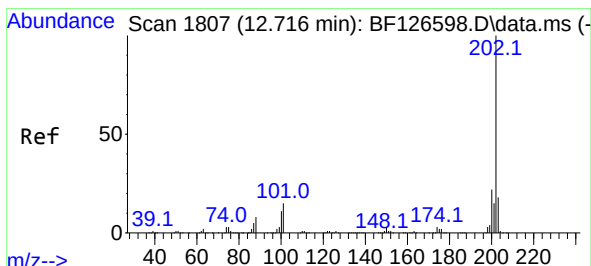
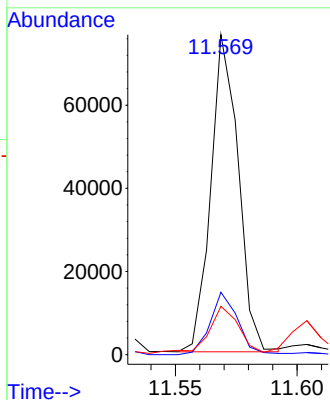
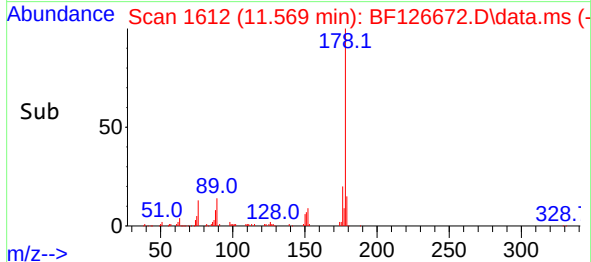
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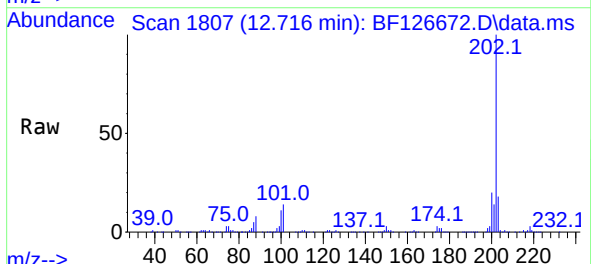
Tgt Ion:178 Resp: 59814
 Ion Ratio Lower Upper
 178 100
 176 19.5 15.0 22.6
 179 15.1 12.5 18.7

Manual Integrations
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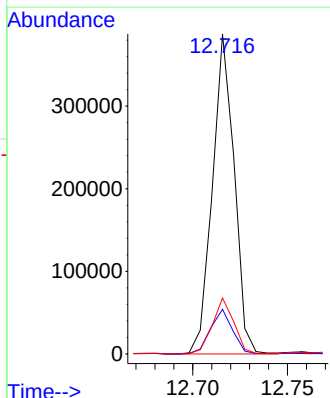
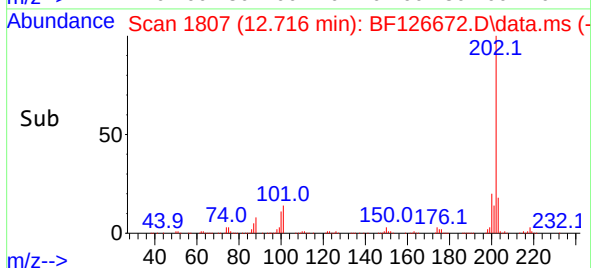
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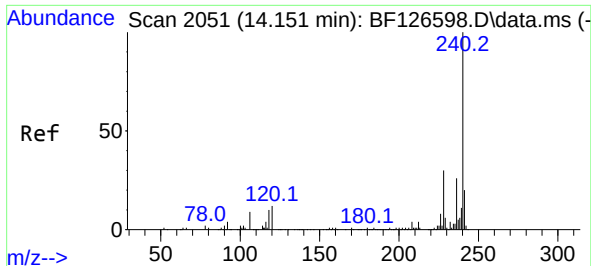


#75
 Fluoranthene
 Concen: 14.807 ng
 RT: 12.716 min Scan# 1807
 Delta R.T. -0.000 min
 Lab File: BF126672.D
 Acq: 25 Jan 2022 19:10



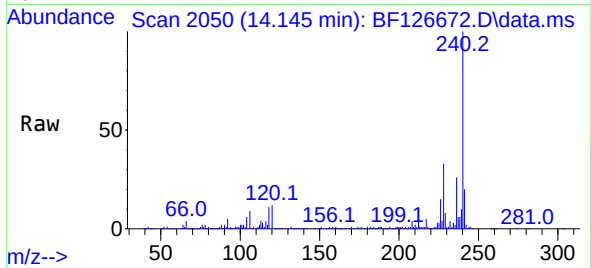
Tgt Ion:202 Resp: 310148
 Ion Ratio Lower Upper
 202 100
 101 14.0 0.0 35.7
 203 17.5 0.0 37.1





#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.145 min Scan# 2050
Delta R.T. -0.006 min
Lab File: BF126672.D
Acq: 25 Jan 2022 19:10

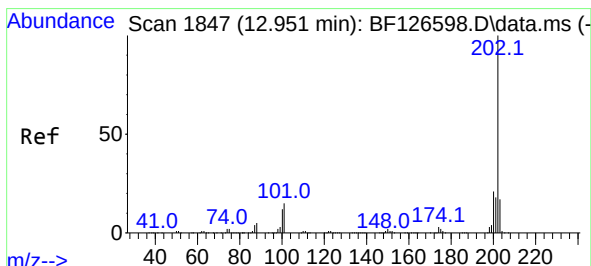
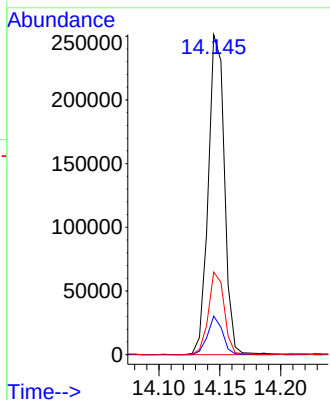
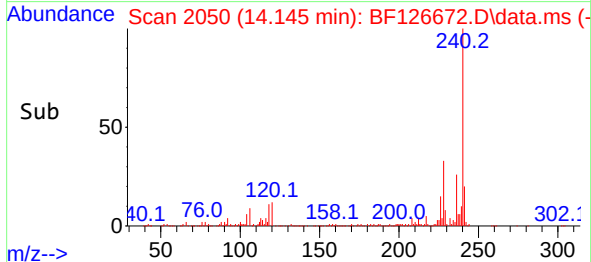
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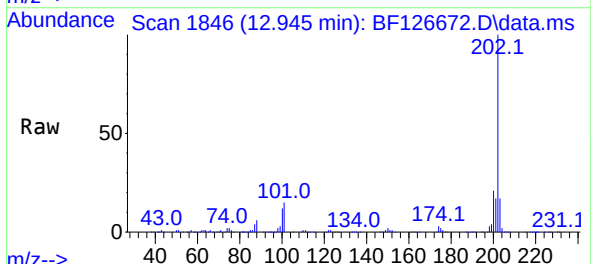
Tgt Ion:240 Resp: 23188
Ion Ratio Lower Upper
240 100
120 12.1 14.4 21.6
236 25.8 20.5 30.7

Manual Integrations
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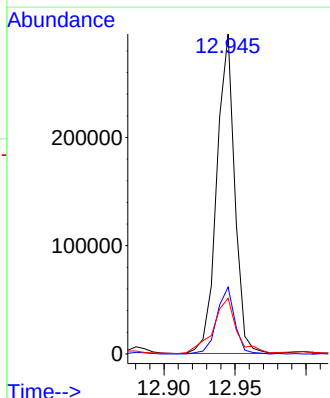
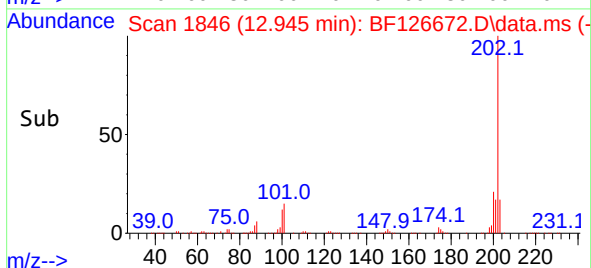
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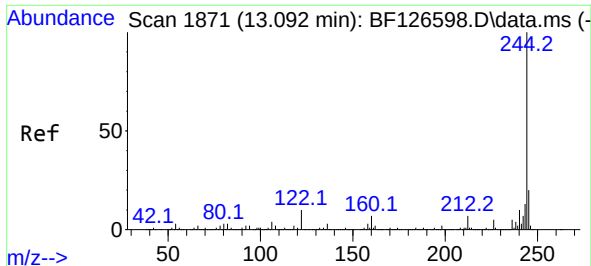


#78
Pyrene
Concen: 13.820 ng
RT: 12.945 min Scan# 1846
Delta R.T. -0.006 min
Lab File: BF126672.D
Acq: 25 Jan 2022 19:10



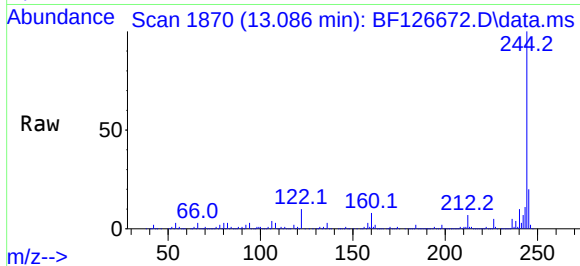
Tgt Ion:202 Resp: 259146
Ion Ratio Lower Upper
202 100
200 20.9 16.6 24.8
203 17.4 13.8 20.8





#79
 Terphenyl-d14
 Concen: 65.490 ng
 RT: 13.086 min Scan# 1871
 Delta R.T. -0.006 min
 Lab File: BF126672.D
 Acq: 25 Jan 2022 19:10

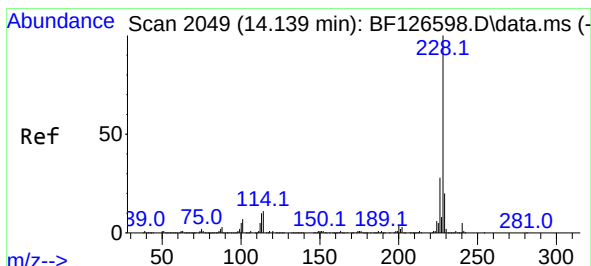
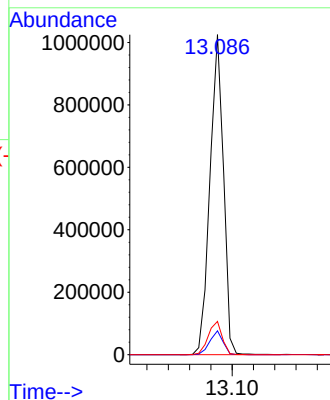
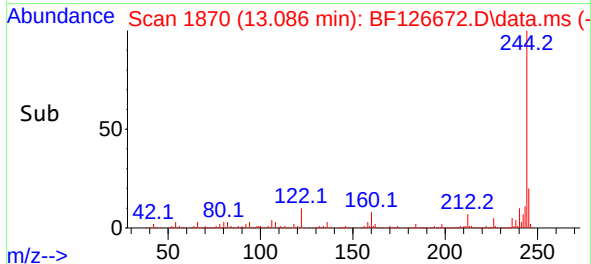
Instrument :
 BNA_F
 ClientSampleId :
 SB-5(3.5-4)



Tgt Ion:244 Resp: 905402
 Ion Ratio Lower Upper
 244 100
 212 7.5 5.0 7.4
 122 10.4 13.3 19.9

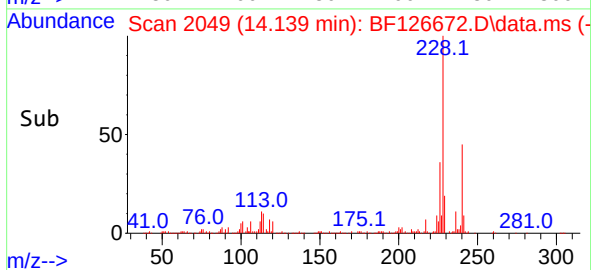
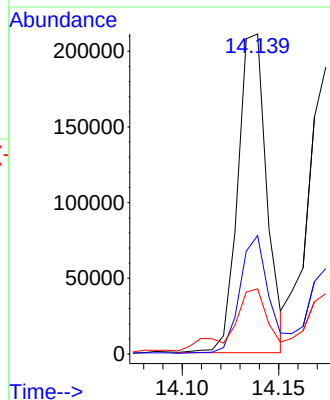
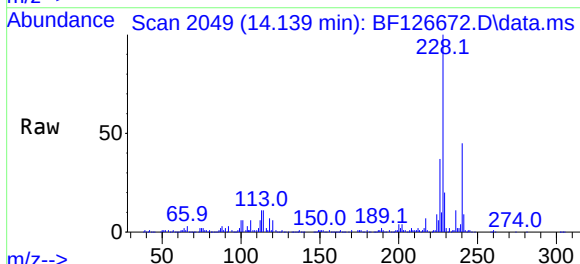
Manual Integrations
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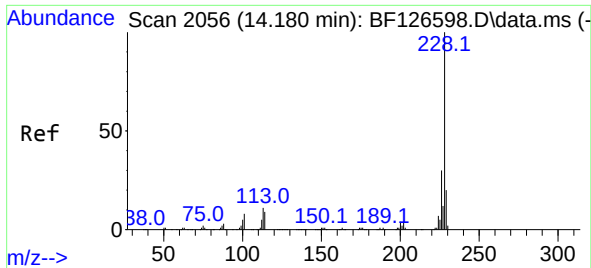
Reviewed By :Christian Giraldo 01/26/2022
 Supervised By :Jagrut Upadhyay 01/26/2022



#81
 Benzo(a)anthracene
 Concen: 13.930 ng m
 RT: 14.139 min Scan# 2049
 Delta R.T. -0.000 min
 Lab File: BF126672.D
 Acq: 25 Jan 2022 19:10

Tgt Ion:228 Resp: 219545
 Ion Ratio Lower Upper
 228 100
 226 37.0 21.4 32.0
 229 20.4 15.4 23.2





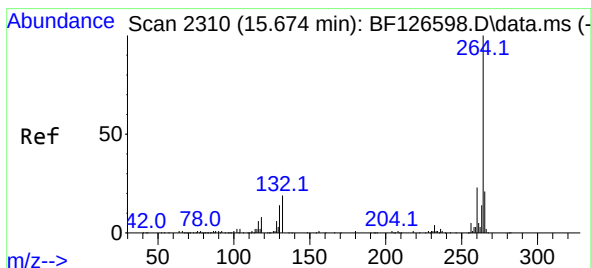
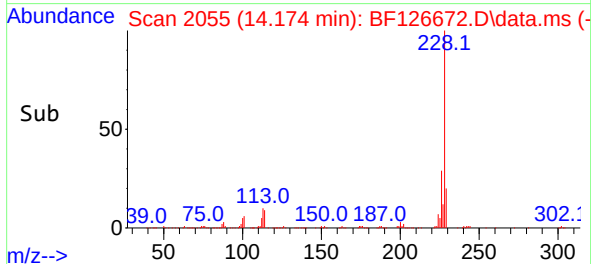
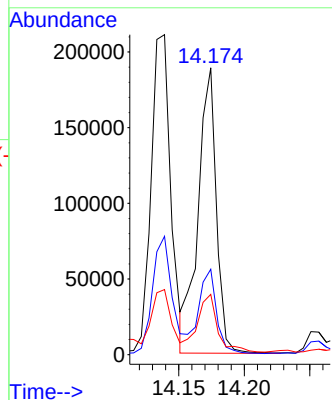
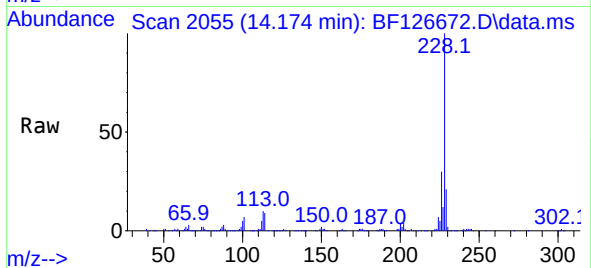
#83
Chrysene
Concen: 12.122 ng
RT: 14.174 min Scan# 2055
Delta R.T. -0.006 min
Lab File: BF126672.D
Acq: 25 Jan 2022 19:10

Instrument :
BNA_F
ClientSampleId :
SB-5(3.5-4)

Tgt Ion:228 Resp: 18383
Ion Ratio Lower Upper
228 100
226 29.8 23.7 35.5
229 21.0 15.5 23.3

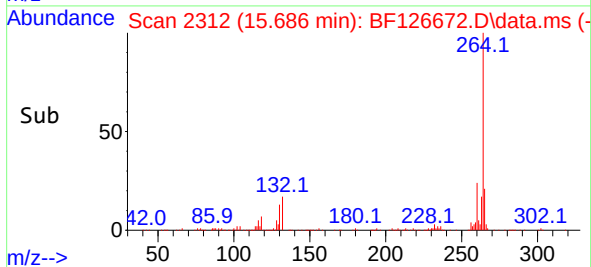
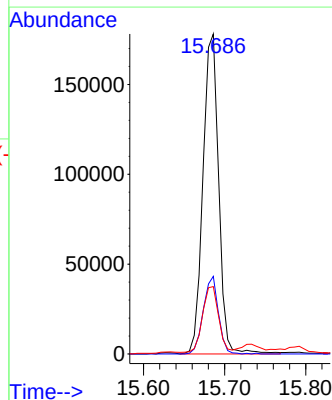
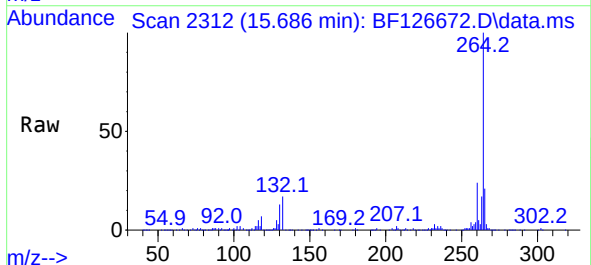
Manual Integrations
APPROVED

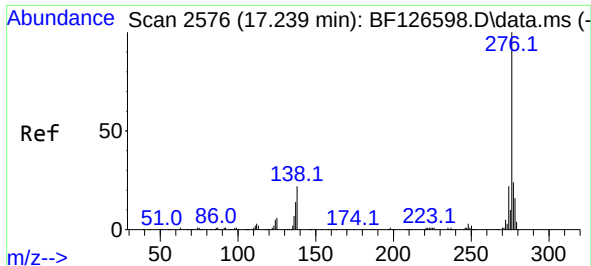
Reviewed By :Christian Giraldo 01/26/2022
Supervised By :Jagrut Upadhyay 01/26/2022



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.686 min Scan# 2312
Delta R.T. 0.012 min
Lab File: BF126672.D
Acq: 25 Jan 2022 19:10

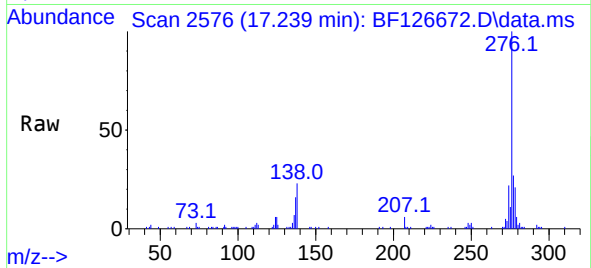
Tgt Ion:264 Resp: 239808
Ion Ratio Lower Upper
264 100
260 24.3 19.2 28.8
265 21.1 17.4 26.2





#87
Indeno(1,2,3-cd)pyrene
Concen: 6.215 ng
RT: 17.239 min Scan# 2576
Delta R.T. -0.000 min
Lab File: BF126672.D
Acq: 25 Jan 2022 19:10

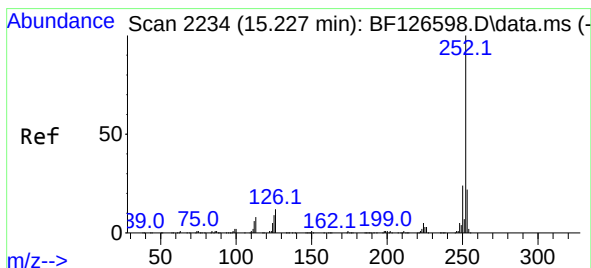
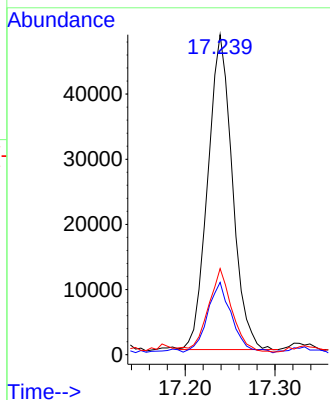
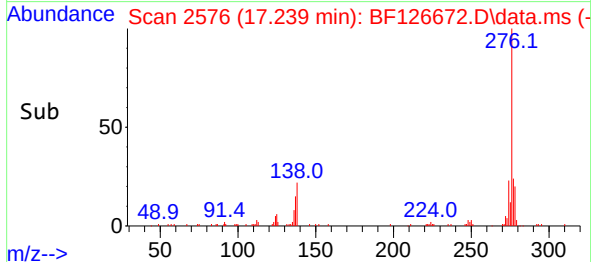
Instrument :
BNA_F
ClientSampleId :
SB-5(3.5-4)



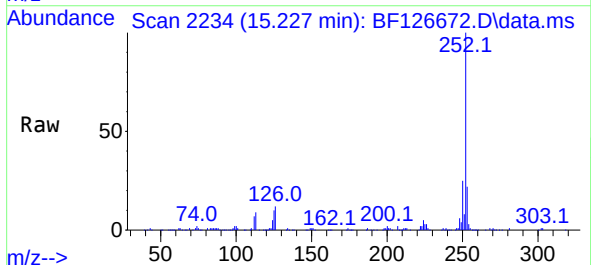
Tgt Ion:276 Resp: 92080
Ion Ratio Lower Upper
276 100
138 22.3 29.2 43.8
277 25.1 19.8 29.8

Manual Integrations
APPROVED

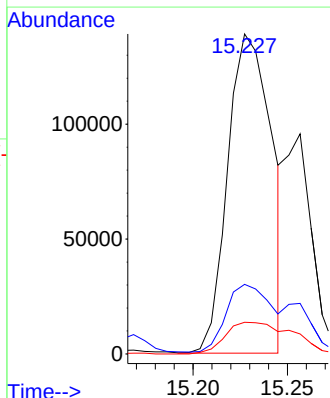
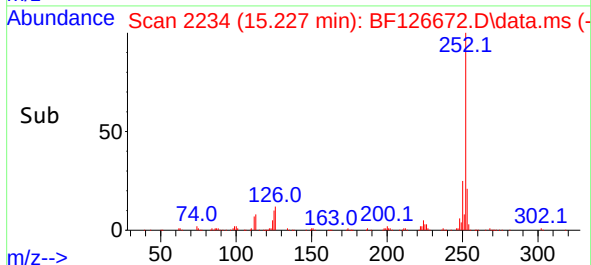
Reviewed By :Christian Giraldo 01/26/2022
Supervised By :Jagrut Upadhyay 01/26/2022

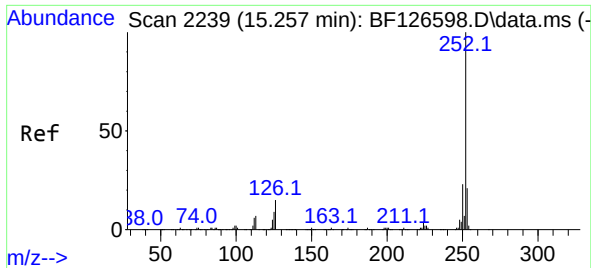


#88
Benzo(b)fluoranthene
Concen: 14.173 ng m
RT: 15.227 min Scan# 2234
Delta R.T. -0.000 min
Lab File: BF126672.D
Acq: 25 Jan 2022 19:10



Tgt Ion:252 Resp: 225393
Ion Ratio Lower Upper
252 100
253 21.7 17.8 26.8
125 9.9 12.4 18.6





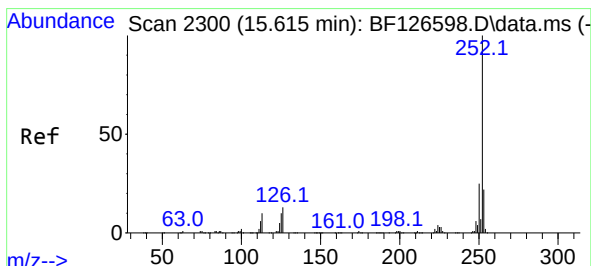
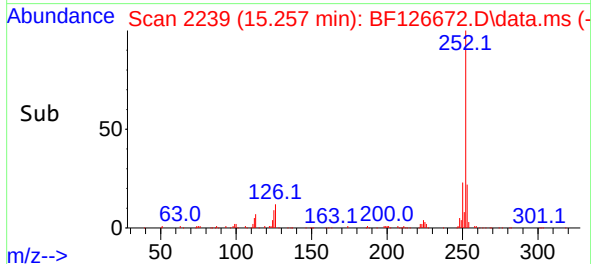
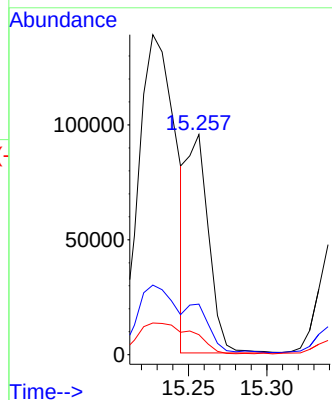
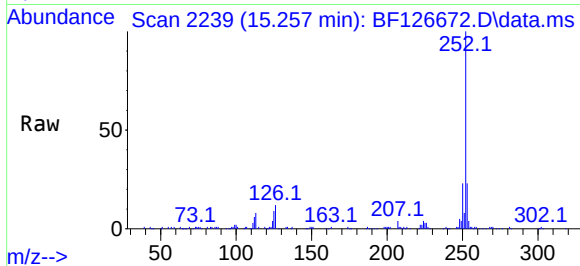
#89
Benzo(k)fluoranthene
Concen: 5.839 ng m
RT: 15.257 min Scan# 2117
Delta R.T. -0.000 min
Lab File: BF126672.D
Acq: 25 Jan 2022 19:10

Instrument :
BNA_F
ClientSampleId :
SB-5(3.5-4)

Tgt Ion:252 Resp: 9117
Ion Ratio Lower Upper
252 100
253 23.0 17.5 26.3
125 9.1 11.8 17.6

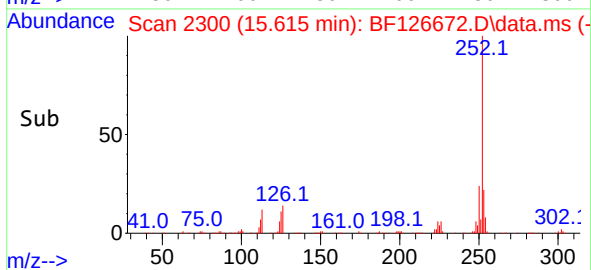
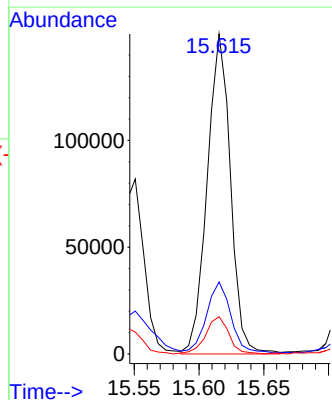
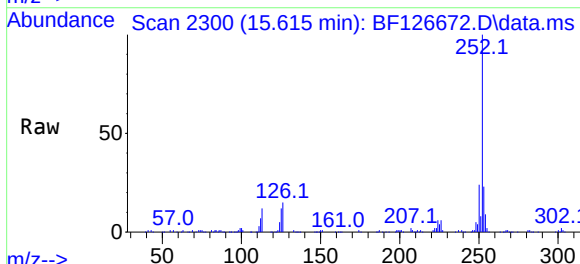
Manual Integrations
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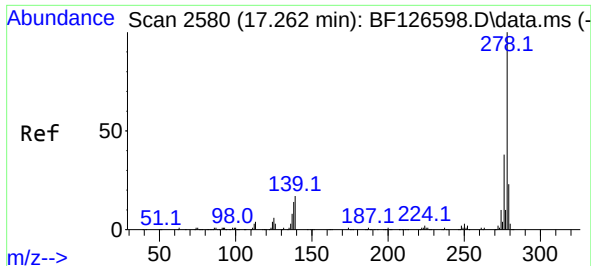
Reviewed By :Christian Giraldo 01/26/2022
Supervised By :Jagrut Upadhyay 01/26/2022



#90
Benzo(a)pyrene
Concen: 14.507 ng m
RT: 15.615 min Scan# 2300
Delta R.T. -0.000 min
Lab File: BF126672.D
Acq: 25 Jan 2022 19:10

Tgt Ion:252 Resp: 187709
Ion Ratio Lower Upper
252 100
253 22.5 17.1 25.7
125 11.6 13.0 19.6#





#91
Dibenzo(a,h)anthracene
Concen: 2.327 ng m
RT: 17.245 min Scan# 21
Delta R.T. -0.018 min
Lab File: BF126672.D
Acq: 25 Jan 2022 19:10

Instrument :

BNA_F

ClientSampleId :

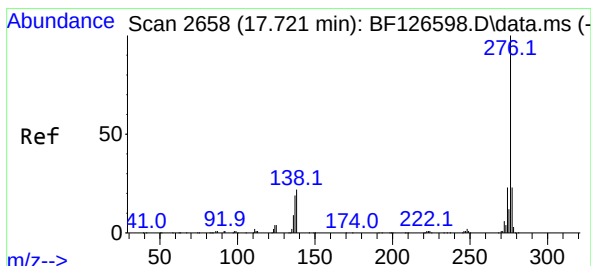
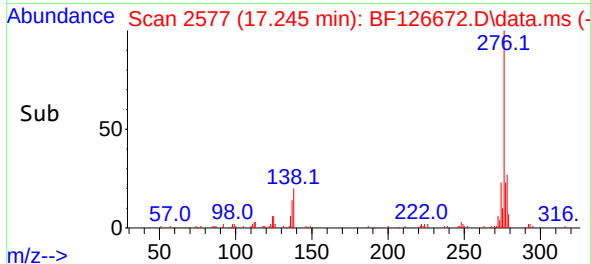
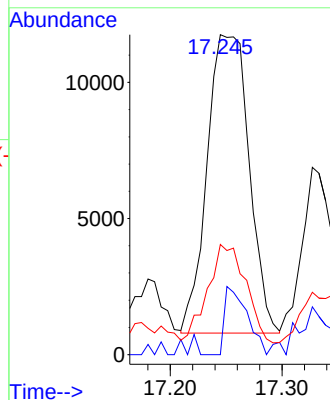
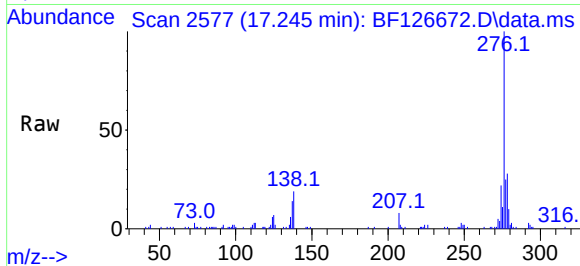
SB-5(3.5-4)

Tgt Ion:278 Resp: 2856
Ion Ratio Lower Upper
278 100
139 0.0 18.0 27.0
279 34.5 18.6 27.8

Manual Integrations

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Reviewed By :Christian Giraldo 01/26/2022
Supervised By :Jagrut Upadhyay 01/26/2022



#92
Benzo(g,h,i)perylene
Concen: 6.168 ng
RT: 17.715 min Scan# 2657
Delta R.T. -0.006 min
Lab File: BF126672.D
Acq: 25 Jan 2022 19:10

Tgt Ion:276 Resp: 74237
Ion Ratio Lower Upper
276 100
277 21.7 18.5 27.7
138 20.2 25.9 38.9

