

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF010722\
 Data File : BF126553.D
 Acq On : 7 Jan 2022 20:19
 Operator : JU/CG
 Sample : N1070-01 2X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HR-2-010622

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 01/10/2022
 Supervised By : Jagrut Upadhyay 01/10/2022

Quant Time: Jan 08 04:40:23 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122921.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 05 01:57:07 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.781	152	96745	20.000	ng	0.00
21) Naphthalene-d8	8.063	136	375099	20.000	ng	0.00
39) Acenaphthene-d10	9.822	164	156886	20.000	ng	0.00
64) Phenanthrene-d10	11.310	188	223121	20.000	ng	# 0.00
76) Chrysene-d12	13.957	240	172058	20.000	ng	# 0.00
86) Perylene-d12	15.421	264	133864	20.000	ng	0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.393	112	330323	49.032	ng	0.00
7) Phenol-d6	6.410	99	411057	47.109	ng	-0.01
23) Nitrobenzene-d5	7.340	82	245976	33.671	ng	-0.01
42) 2,4,6-Tribromophenol	10.610	330	64994	53.611	ng	0.00
45) 2-Fluorobiphenyl	9.139	172	365288	40.973	ng	-0.01
79) Terphenyl-d14	12.898	244	278715	31.473	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.087	128	39390	2.225	ng	99
37) 2-Methylnaphthalene	8.775	142	26857	2.571	ng	93
38) 1-Methylnaphthalene	8.875	142	29198	2.892	ng	99
49) Acenaphthylene	9.681	152	51318	3.882	ng	98
58) Fluorene	10.369	166	53417m	6.449	ng	
71) Phenanthrene	11.333	178	372569	32.661	ng	98
72) Anthracene	11.380	178	85526	7.493	ng	97
73) Carbazole	11.539	167	33577	3.004	ng	99
75) Fluoranthene	12.522	202	359890	34.568	ng	98
78) Pyrene	12.751	202	325608	22.393	ng	99
81) Benzo(a)anthracene	13.945	228	152578	15.420	ng	93
83) Chrysene	13.980	228	129799	12.788	ng	96
87) Indeno(1,2,3-cd)pyrene	16.845	276	41312	4.611	ng	# 87
88) Benzo(b)fluoranthene	14.998	252	122430m	15.353	ng	
89) Benzo(k)fluoranthene	15.021	252	43417m	5.620	ng	
90) Benzo(a)pyrene	15.357	252	90039	13.466	ng	99
92) Benzo(g,h,i)perylene	17.274	276	37263	4.841	ng	96

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

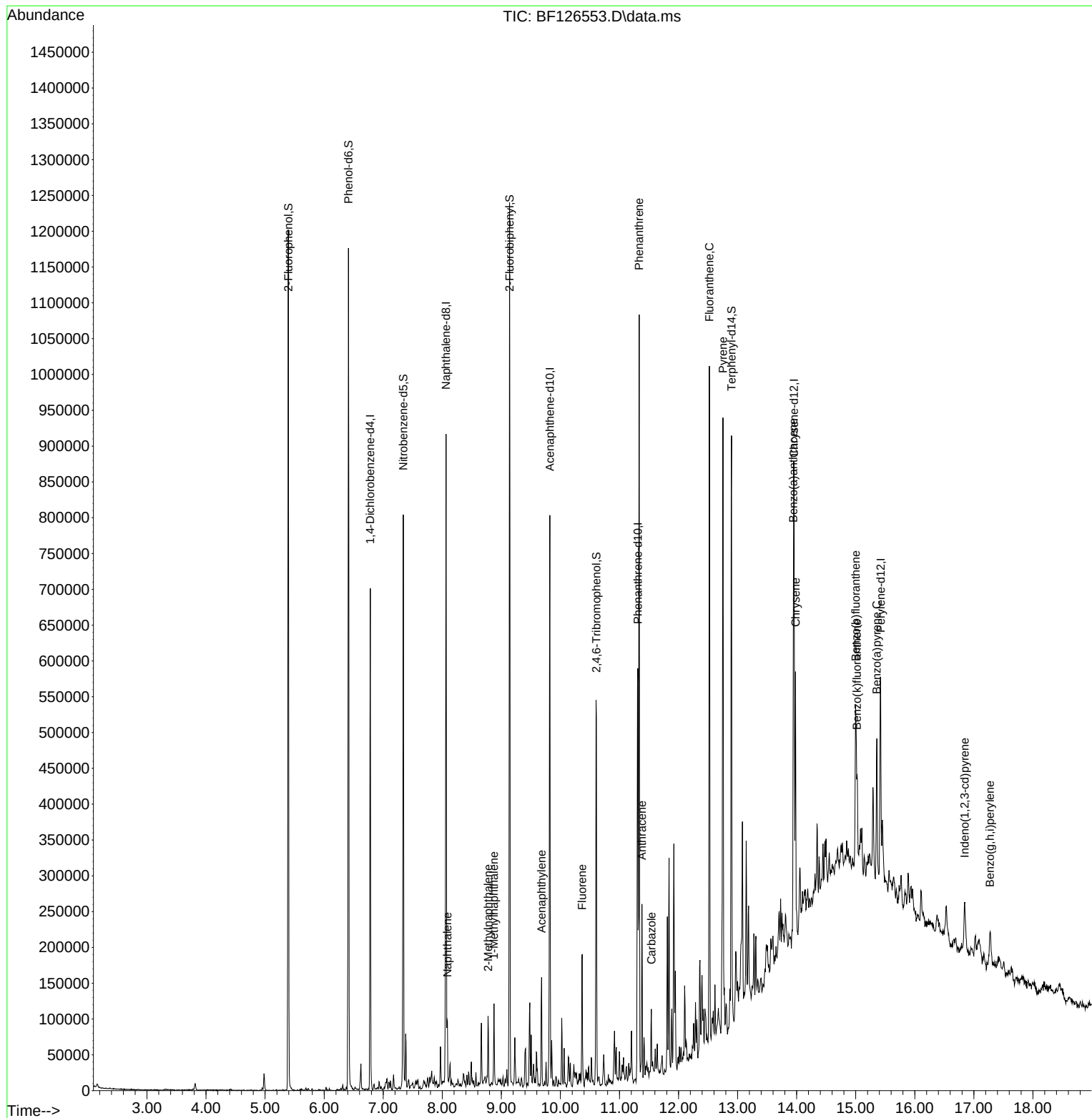
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF010722\
Data File : BF126553.D
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ALS Vial : 23 Sample Multiplier: 1

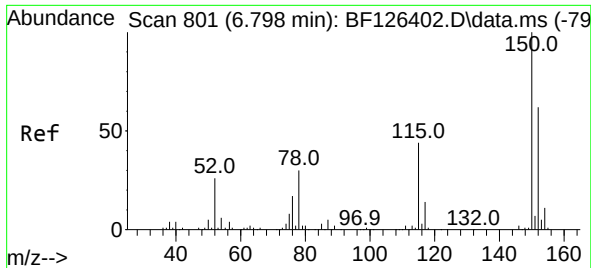
Instrument :
BNA_F
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HR-2-010622

Quant Time: Jan 08 04:40:23 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122921.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 05 01:57:07 2022
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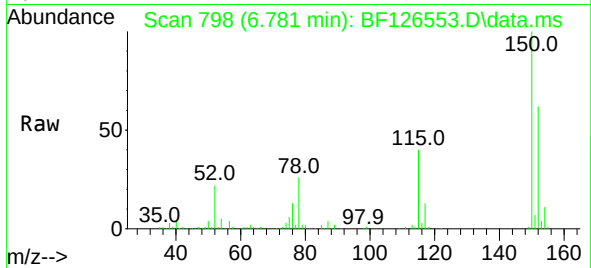
Reviewed By : Christian Giraldo 01/10/2022
Supervised By : Jagrut Upadhyay 01/10/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.781 min Scan# 79
Delta R.T. -0.005 min
Lab File: BF126553.D
Acq: 7 Jan 2022 20:19

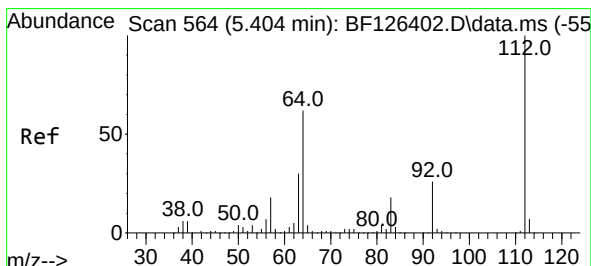
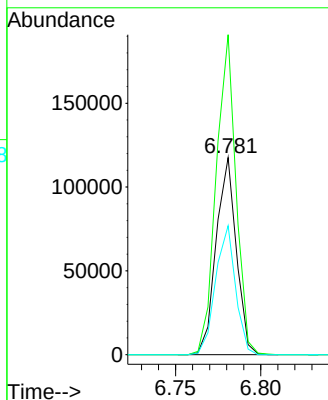
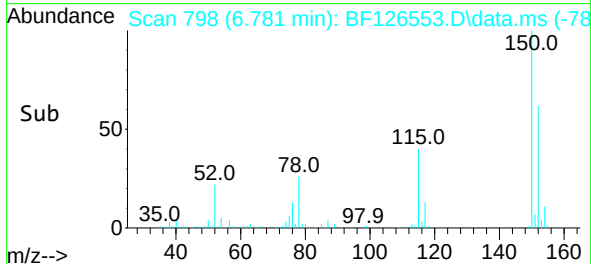
Instrument :
BNA_F
ClientSampleId :
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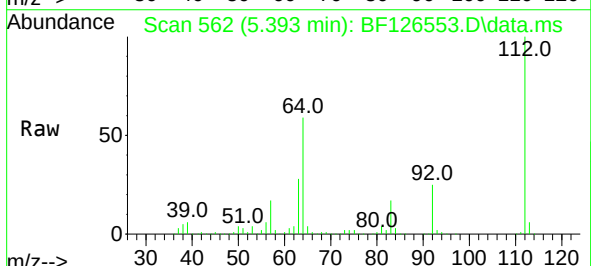
Tgt Ion:152 Resp: 96745
Ion Ratio Lower Upper
152 100
150 162.4 128.1 192.1
115 65.5 56.7 85.1

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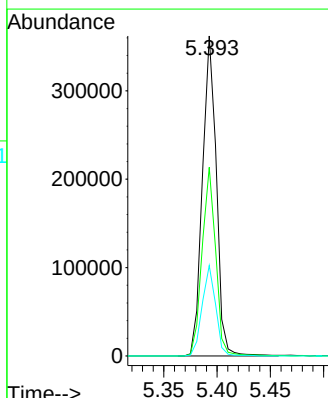
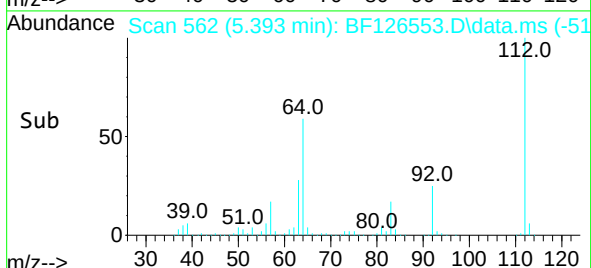
Reviewed By :Christian Giraldo 01/10/2022
Supervised By :Jagrut Upadhyay 01/10/2022

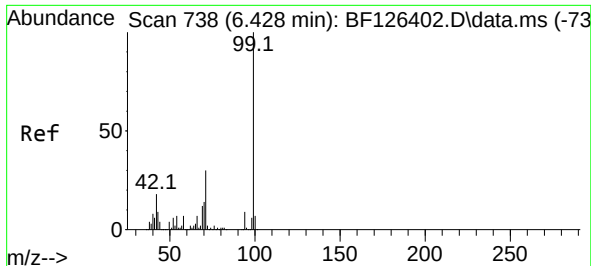


#5
2-Fluorophenol
Concen: 49.032 ng
RT: 5.393 min Scan# 562
Delta R.T. 0.000 min
Lab File: BF126553.D
Acq: 7 Jan 2022 20:19



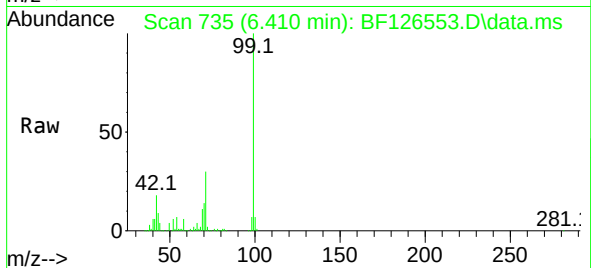
Tgt Ion:112 Resp: 330323
Ion Ratio Lower Upper
112 100
64 58.9 49.5 74.3
63 28.2 23.9 35.9





#7
Phenol-d6
Concen: 47.109 ng
RT: 6.410 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF126553.D
Acq: 7 Jan 2022 20:19

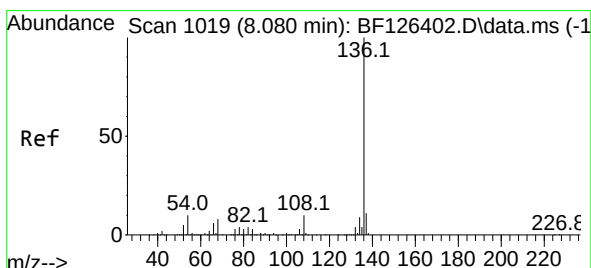
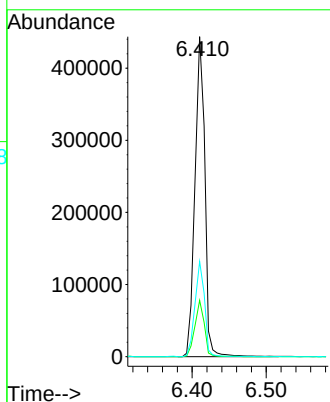
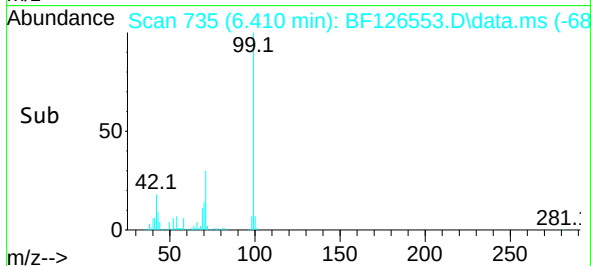
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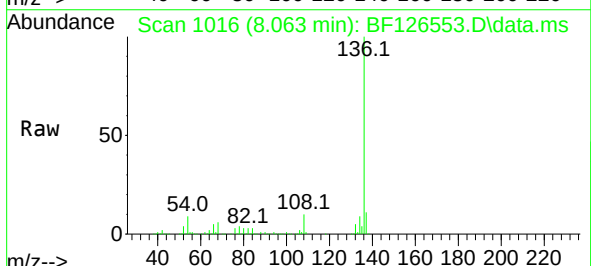
Tgt Ion: 99 Resp: 41105
Ion Ratio Lower Upper
99 100
42 17.6 14.2 21.4
71 29.8 24.3 36.5

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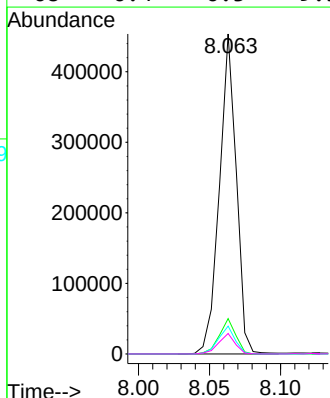
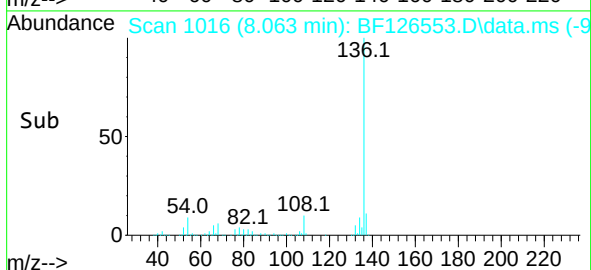
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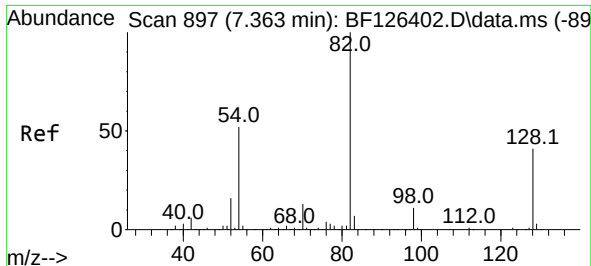


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.063 min Scan# 1016
Delta R.T. -0.006 min
Lab File: BF126553.D
Acq: 7 Jan 2022 20:19



Tgt Ion:136 Resp: 375099
Ion Ratio Lower Upper
136 100
137 11.0 8.6 13.0
54 8.7 7.8 11.6
68 6.4 6.3 9.5





#23

Nitrobenzene-d5

Concen: 33.671 ng

RT: 7.340 min Scan# 89

Delta R.T. -0.012 min

Lab File: BF126553.D

Acq: 7 Jan 2022 20:19

Instrument :

BNA_F

ClientSampleId :

HR-2-010622

Tgt Ion: 82 Resp: 245970

Ion Ratio Lower Upper

82 100

128 43.5 32.7 49.1

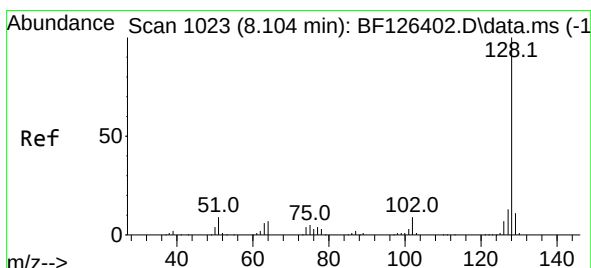
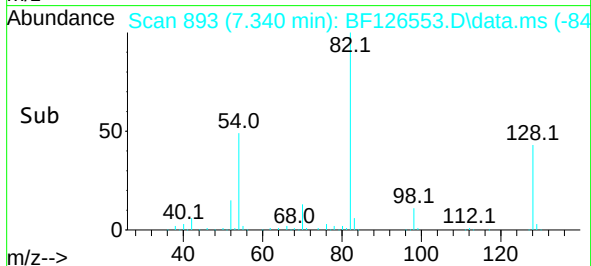
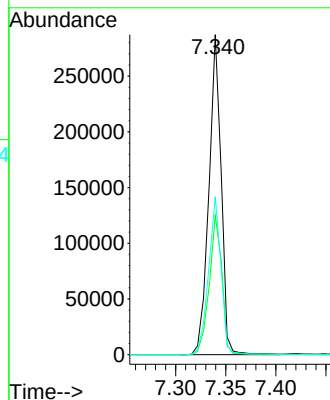
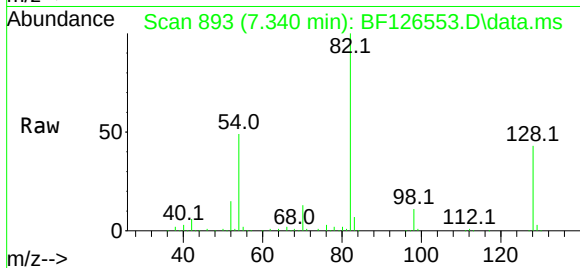
54 49.4 41.7 62.5

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#31

Naphthalene

Concen: 2.225 ng

RT: 8.087 min Scan# 1020

Delta R.T. -0.006 min

Lab File: BF126553.D

Acq: 7 Jan 2022 20:19

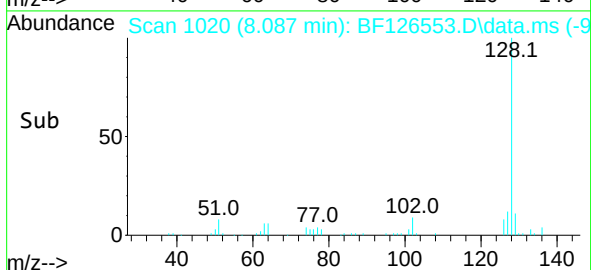
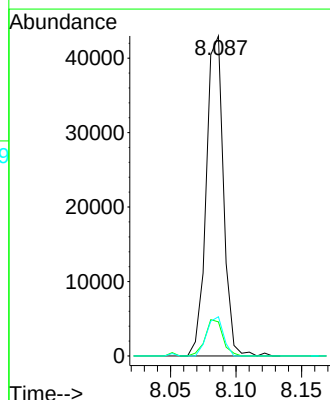
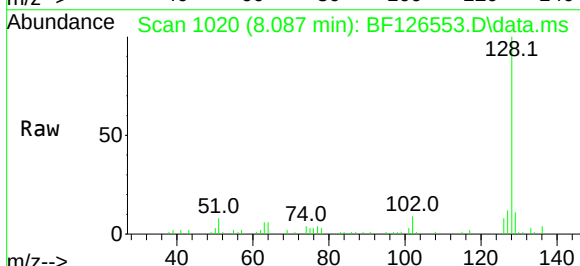
Tgt Ion:128 Resp: 39390

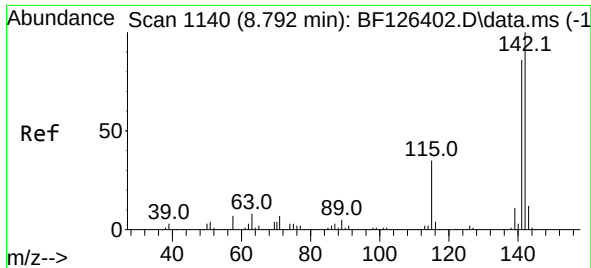
Ion Ratio Lower Upper

128 100

129 10.6 8.6 13.0

127 12.2 10.3 15.5





#37

2-Methylnaphthalene

Concen: 2.571 ng

RT: 8.775 min Scan# 1137

Delta R.T. -0.006 min

Lab File: BF126553.D

Acq: 7 Jan 2022 20:19

Instrument :

BNA_F

ClientSampleId :

HR-2-010622

Tgt Ion:142 Resp: 2685

Ion Ratio Lower Upper

142 100

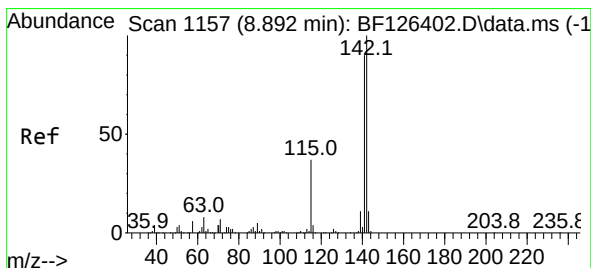
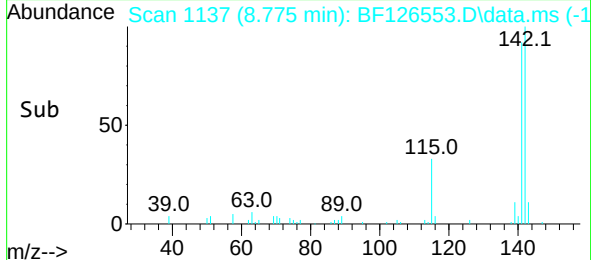
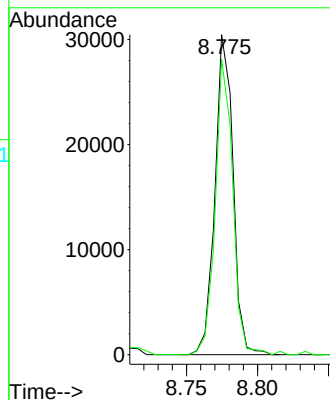
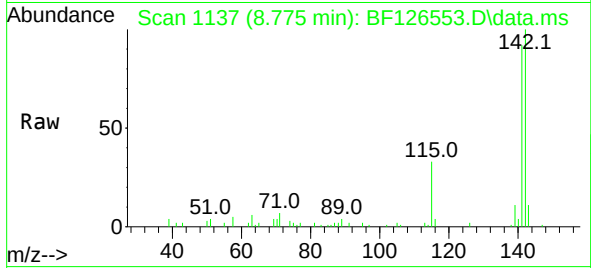
141 92.3 68.6 102.8

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#38

1-Methylnaphthalene

Concen: 2.892 ng

RT: 8.875 min Scan# 1154

Delta R.T. -0.006 min

Lab File: BF126553.D

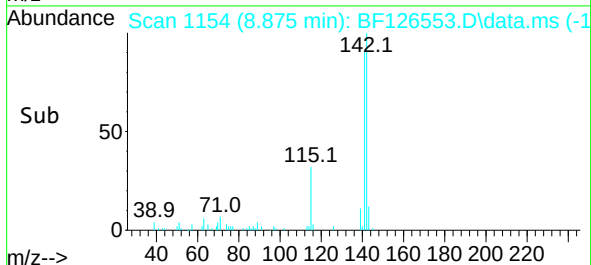
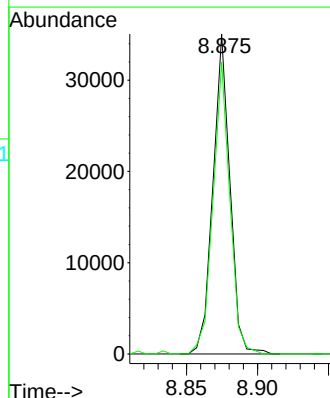
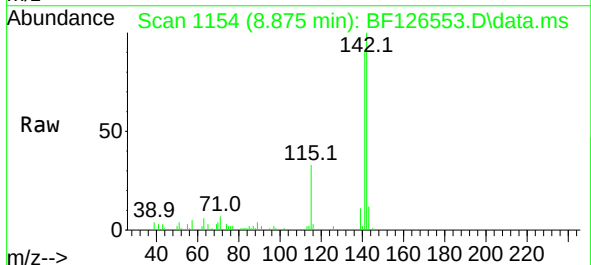
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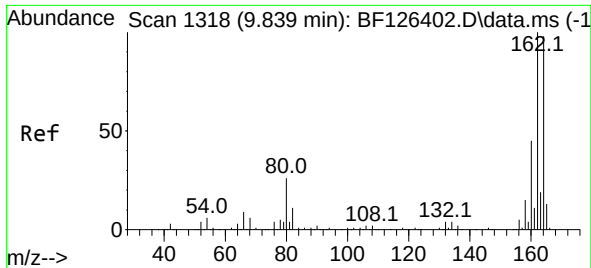
Tgt Ion:142 Resp: 29198

Ion Ratio Lower Upper

142 100

141 91.2 72.1 108.1





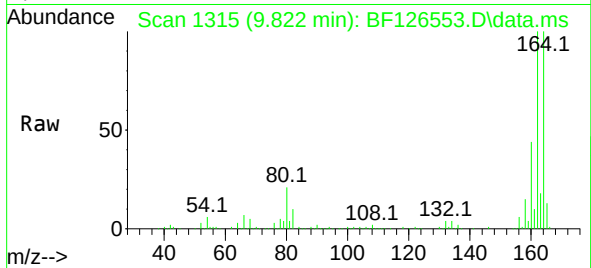
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.822 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF126553.D
Acq: 7 Jan 2022 20:19

Instrument :

BNA_F

ClientSampleId :

HR-2-010622



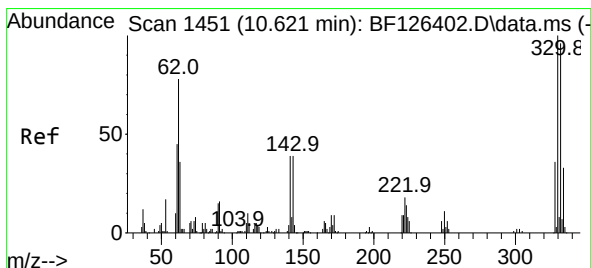
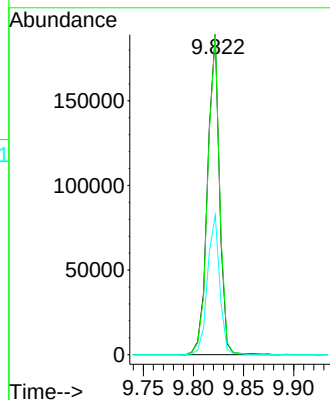
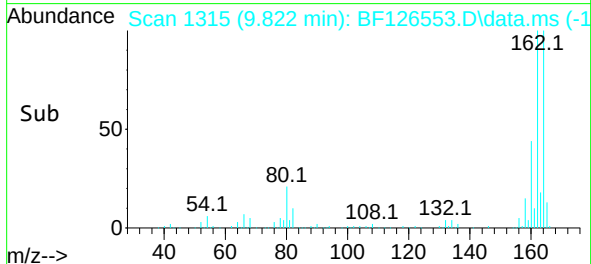
Tgt Ion:164 Resp: 156880
Ion Ratio Lower Upper
164 100
162 99.8 81.4 122.0
160 43.6 36.6 54.8

Manual Integrations

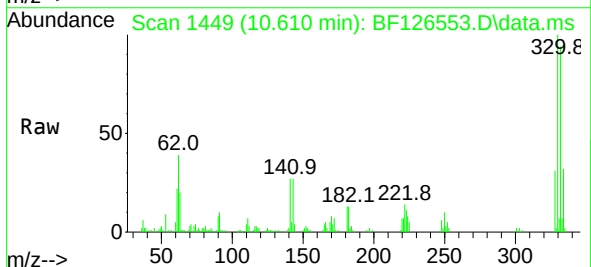
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Reviewed By :Christian Giraldo 01/10/2022

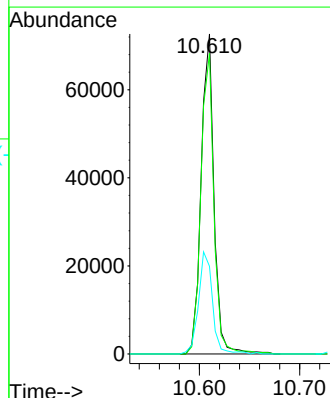
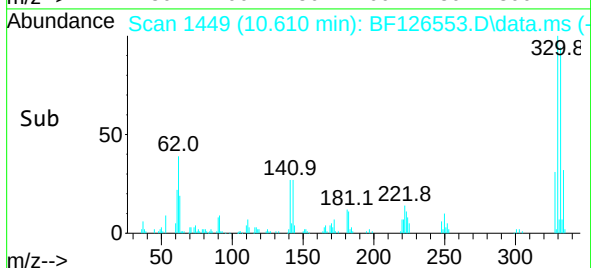
Supervised By :Jagrut Upadhyay 01/10/2022

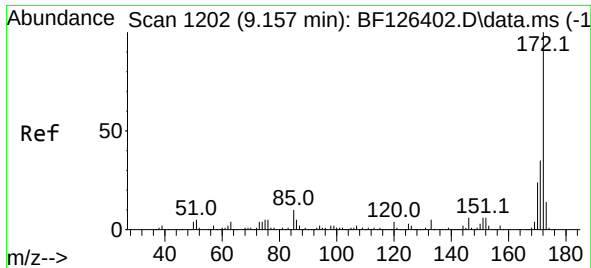


#42
2,4,6-Tribromophenol
Concen: 53.611 ng
RT: 10.610 min Scan# 1449
Delta R.T. -0.006 min
Lab File: BF126553.D
Acq: 7 Jan 2022 20:19



Tgt Ion:330 Resp: 64994
Ion Ratio Lower Upper
330 100
332 95.3 76.0 114.0
141 34.7 30.1 45.1





#45
2-Fluorobiphenyl
Concen: 40.973 ng
RT: 9.139 min Scan# 1199
Delta R.T. -0.012 min
Lab File: BF126553.D
Acq: 7 Jan 2022 20:19

Instrument :

BNA_F

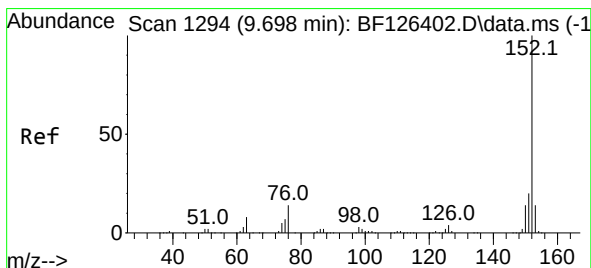
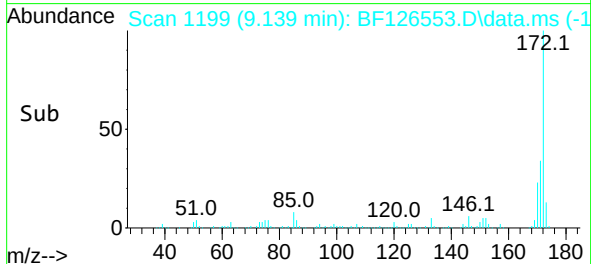
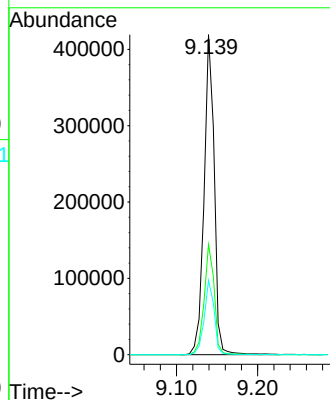
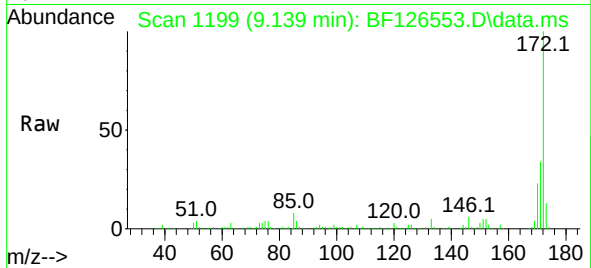
ClientSampleId :

HR-2-010622

Tgt Ion:172 Resp: 36528
Ion Ratio Lower Upper
172 100
171 34.4 28.3 42.5
170 23.2 19.0 28.6

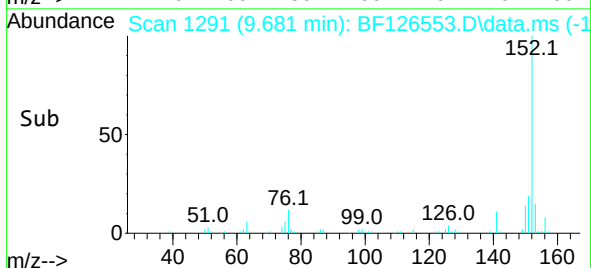
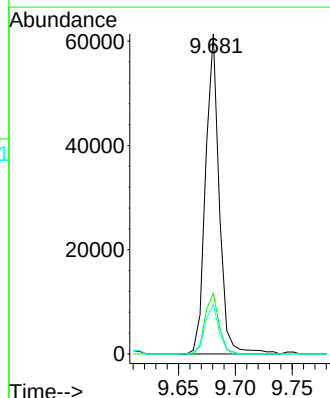
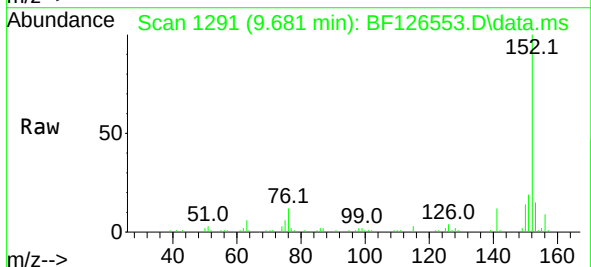
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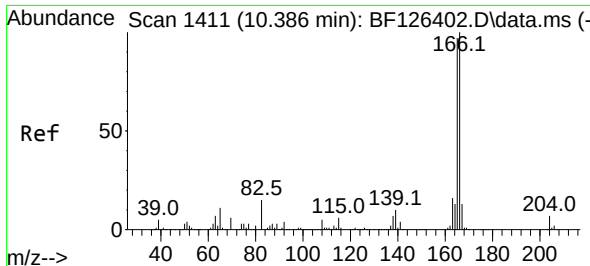
Reviewed By :Christian Giraldo 01/10/2022
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#49
Acenaphthylene
Concen: 3.882 ng
RT: 9.681 min Scan# 1291
Delta R.T. -0.006 min
Lab File: BF126553.D
Acq: 7 Jan 2022 20:19

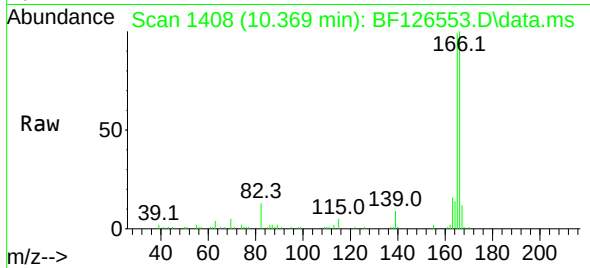
Tgt Ion:152 Resp: 51318
Ion Ratio Lower Upper
152 100
151 19.0 15.7 23.5
153 15.4 11.4 17.0





#58
Fluorene
Concen: 6.449 ng m
RT: 10.369 min Scan# 1411
Delta R.T. -0.006 min
Lab File: BF126553.D
Acq: 7 Jan 2022 20:19

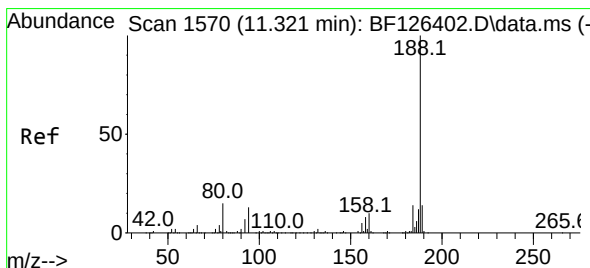
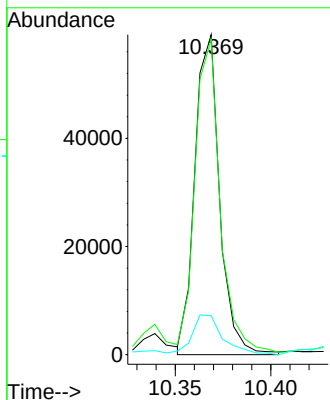
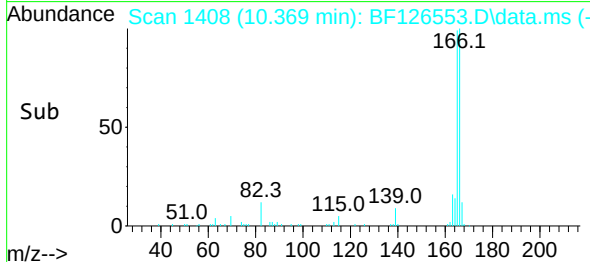
Instrument :
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HR-2-010622



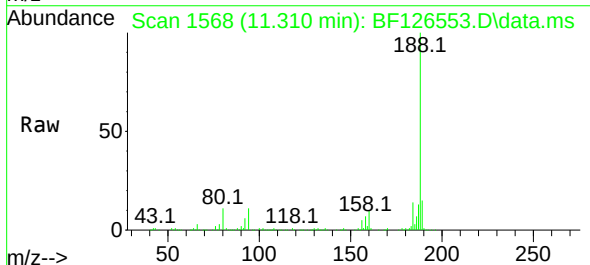
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Ion Ratio Lower Upper
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165 98.6 77.7 116.5
167 12.2 10.7 16.1

Manual Integrations
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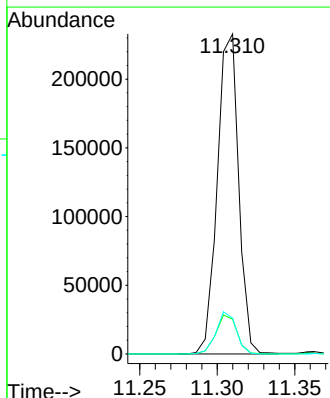
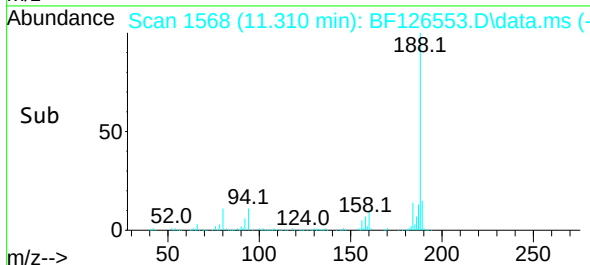
Reviewed By :Christian Giraldo 01/10/2022
Supervised By :Jagrut Upadhyay 01/10/2022

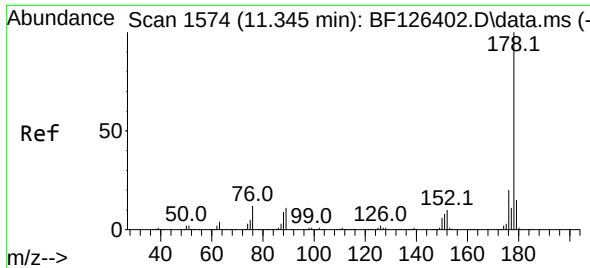


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.310 min Scan# 1568
Delta R.T. 0.000 min
Lab File: BF126553.D
Acq: 7 Jan 2022 20:19



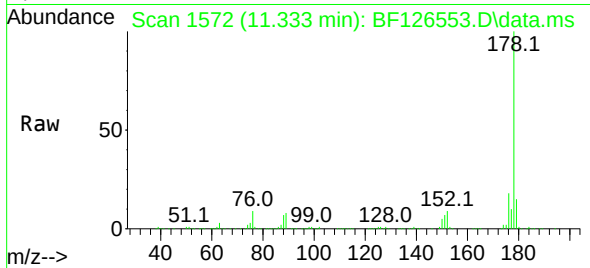
Tgt Ion:188 Resp: 223121
Ion Ratio Lower Upper
188 100
94 10.9 10.1 15.1
80 11.2 11.8 17.6#





#71
Phenanthrene
Concen: 32.661 ng
RT: 11.333 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF126553.D
Acq: 7 Jan 2022 20:19

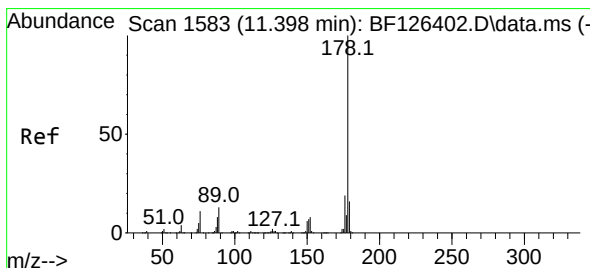
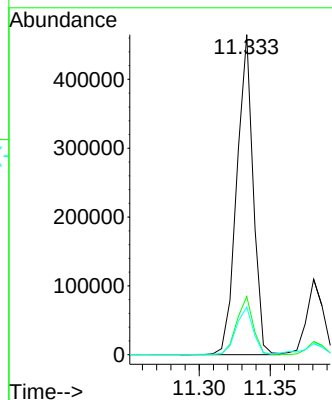
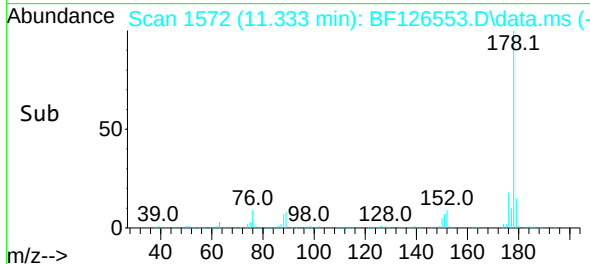
Instrument :
BNA_F
ClientSampleId :
HR-2-010622



Tgt Ion:178 Resp: 37256
Ion Ratio Lower Upper
178 100
176 18.2 15.7 23.5
179 14.9 12.3 18.5

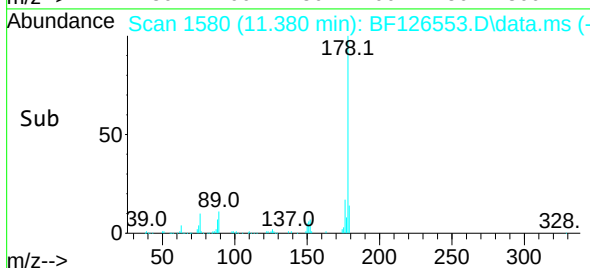
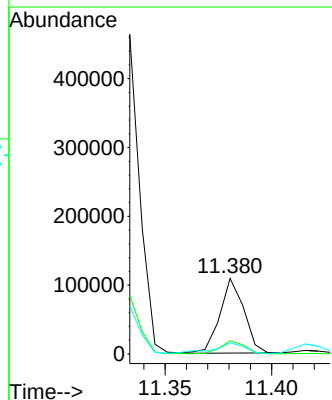
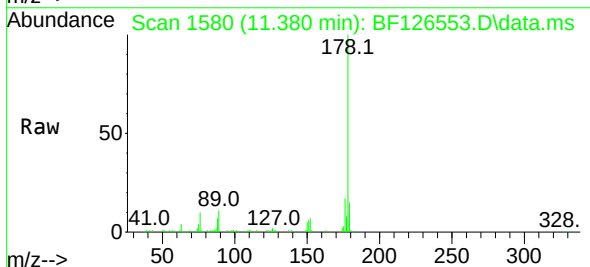
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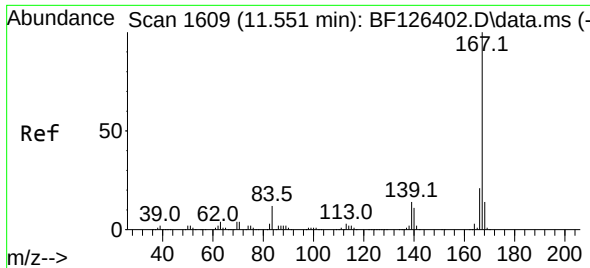
Reviewed By :Christian Giraldo 01/10/2022
Supervised By :Jagrut Upadhyay 01/10/2022



#72
Anthracene
Concen: 7.493 ng
RT: 11.380 min Scan# 1580
Delta R.T. -0.006 min
Lab File: BF126553.D
Acq: 7 Jan 2022 20:19

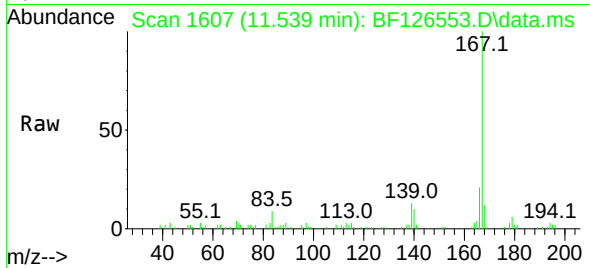
Tgt Ion:178 Resp: 85526
Ion Ratio Lower Upper
178 100
176 17.3 15.0 22.6
179 14.6 12.5 18.7





#73
 Carbazole
 Concen: 3.004 ng
 RT: 11.539 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: BF126553.D
 Acq: 7 Jan 2022 20:19

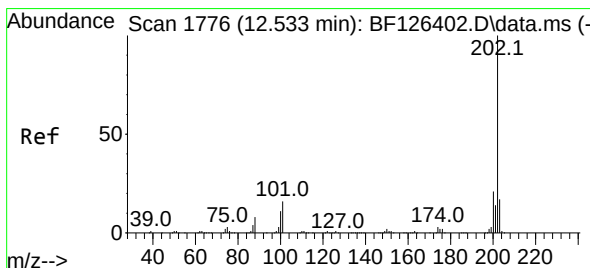
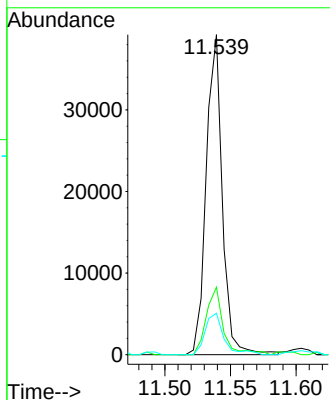
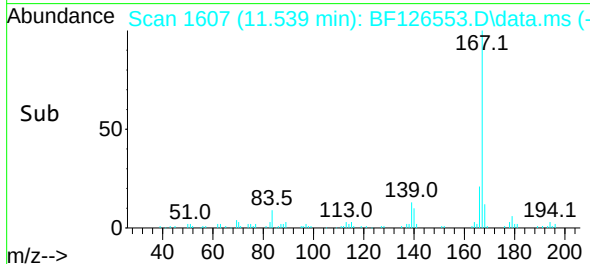
Instrument :
 BNA_F
 ClientSampleId :
 HR-2-010622



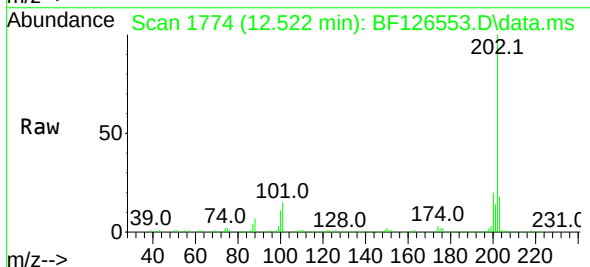
Tgt Ion:167 Resp: 3357
 Ion Ratio Lower Upper
 167 100
 166 21.1 16.9 25.3
 139 12.9 11.3 16.9

Manual Integrations
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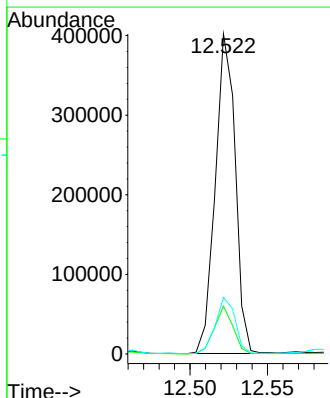
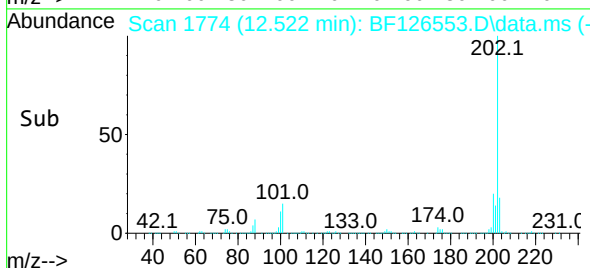
Reviewed By :Christian Giraldo 01/10/2022
 Supervised By :Jagrut Upadhyay 01/10/2022

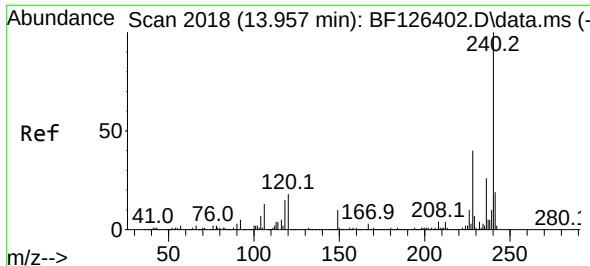


#75
 Fluoranthene
 Concen: 34.568 ng
 RT: 12.522 min Scan# 1774
 Delta R.T. 0.000 min
 Lab File: BF126553.D
 Acq: 7 Jan 2022 20:19



Tgt Ion:202 Resp: 359890
 Ion Ratio Lower Upper
 202 100
 101 15.0 0.0 35.7
 203 17.7 0.0 37.1





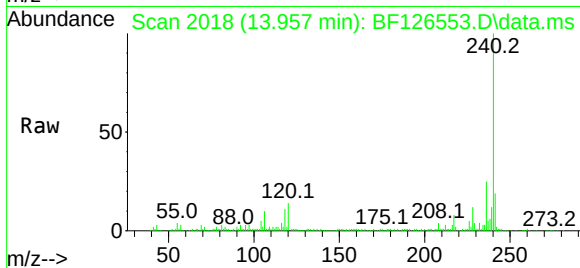
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.957 min Scan# 20
Delta R.T. 0.006 min
Lab File: BF126553.D
Acq: 7 Jan 2022 20:19

Instrument :

BNA_F

ClientSampleId :

HR-2-010622

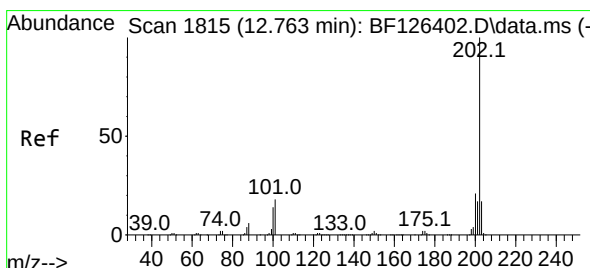
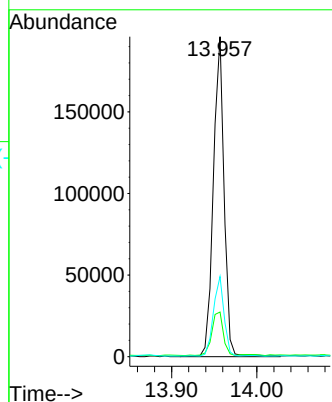
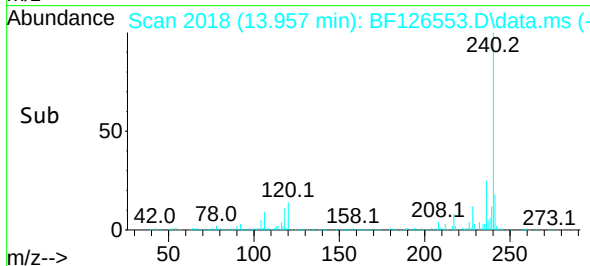


Tgt Ion:240 Resp: 172058
Ion Ratio Lower Upper
240 100
120 13.9 14.4 21.6
236 25.0 20.5 30.7

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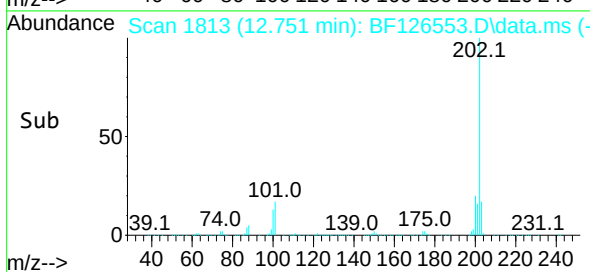
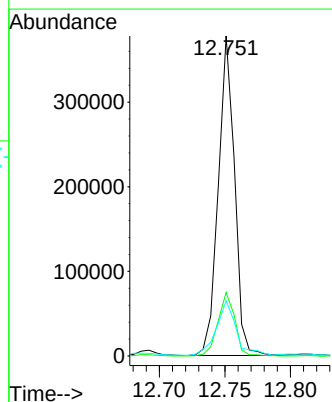
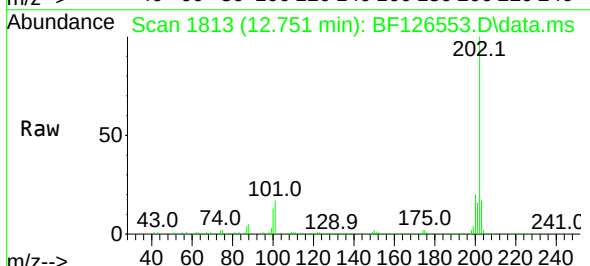
APPROVED

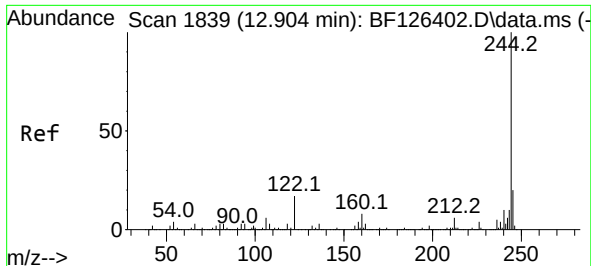
Reviewed By :Christian Giraldo 01/10/2022
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#78
Pyrene
Concen: 22.393 ng
RT: 12.751 min Scan# 1813
Delta R.T. 0.000 min
Lab File: BF126553.D
Acq: 7 Jan 2022 20:19

Tgt Ion:202 Resp: 325608
Ion Ratio Lower Upper
202 100
200 19.9 16.6 24.8
203 17.3 13.8 20.8





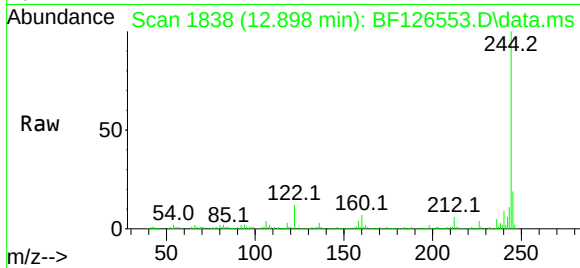
#79
 Terphenyl-d14
 Concen: 31.473 ng
 RT: 12.898 min Scan# 1838
 Delta R.T. 0.000 min
 Lab File: BF126553.D
 Acq: 7 Jan 2022 20:19

Instrument :

BNA_F

ClientSampleId :

HR-2-010622

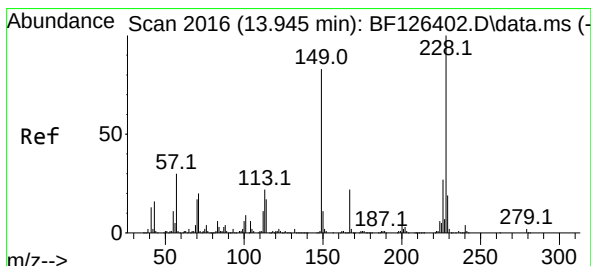
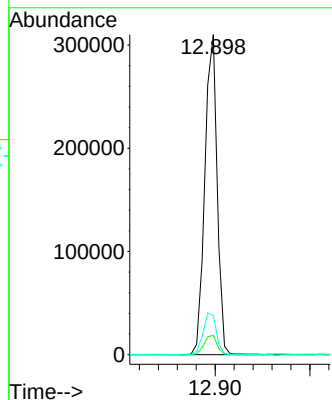
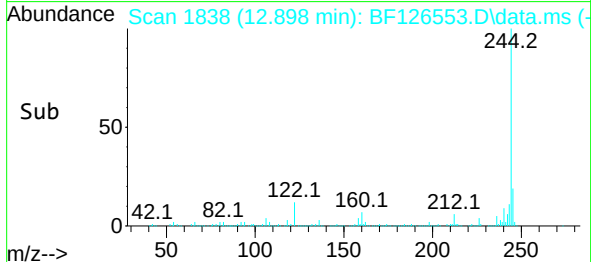


Tgt Ion:244 Resp: 278715
 Ion Ratio Lower Upper
 244 100
 212 6.1 5.0 7.4
 122 12.3 13.3 19.9

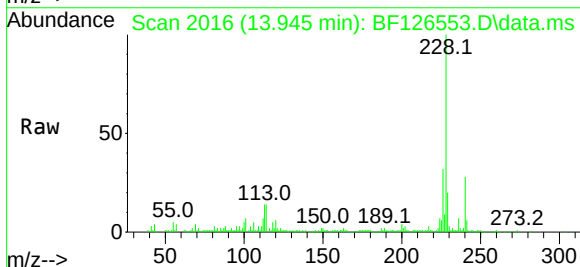
Manual Integrations

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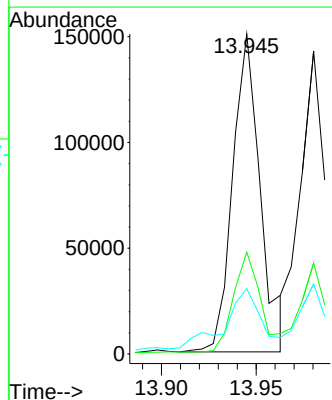
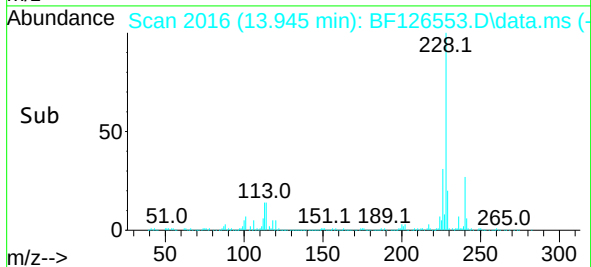
Reviewed By :Christian Giraldo 01/10/2022
 Supervised By :Jagrut Upadhyay 01/10/2022

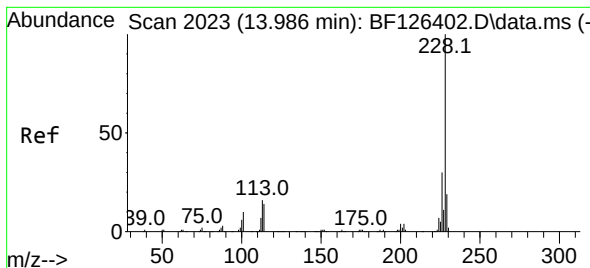


#81
 Benzo(a)anthracene
 Concen: 15.420 ng
 RT: 13.945 min Scan# 2016
 Delta R.T. 0.006 min
 Lab File: BF126553.D
 Acq: 7 Jan 2022 20:19



Tgt Ion:228 Resp: 152578
 Ion Ratio Lower Upper
 228 100
 226 31.8 21.4 32.0
 229 20.4 15.4 23.2





#83

Chrysene

Concen: 12.788 ng

RT: 13.980 min Scan# 2022

Delta R.T. 0.006 min

Lab File: BF126553.D

Acq: 7 Jan 2022 20:19

Instrument :

BNA_F

ClientSampleId :

HR-2-010622

Tgt Ion:228 Resp: 129795

Ion Ratio Lower Upper

228 100

226 30.0 23.7 35.5

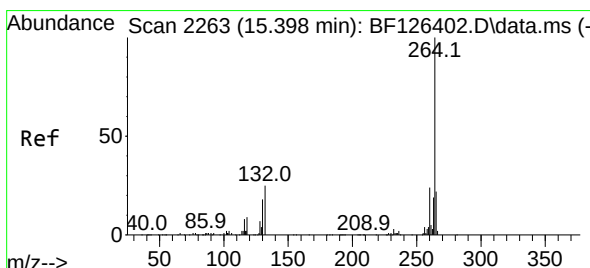
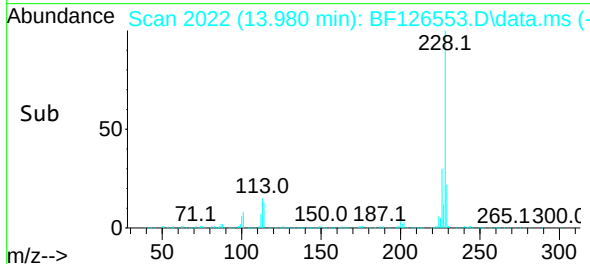
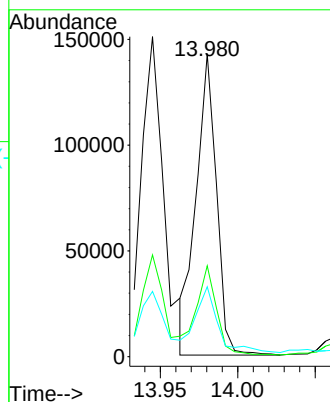
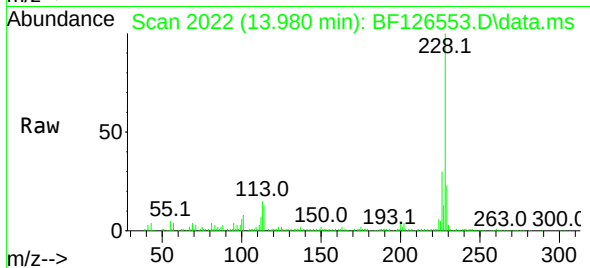
229 23.1 15.5 23.3

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Supervised By :Jagrut Upadhyay 01/10/2022



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.421 min Scan# 2267

Delta R.T. 0.035 min

Lab File: BF126553.D

Acq: 7 Jan 2022 20:19

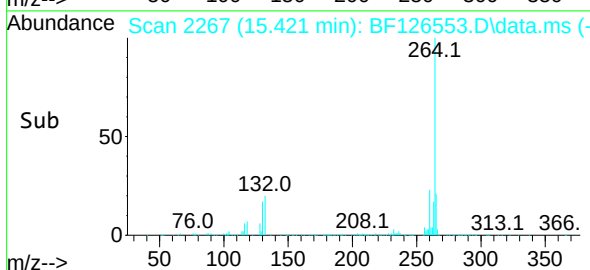
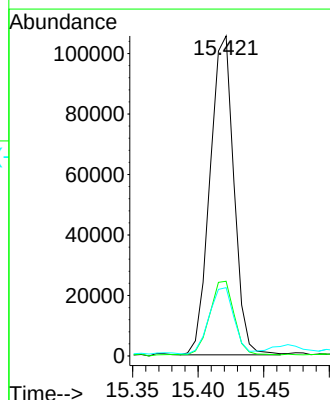
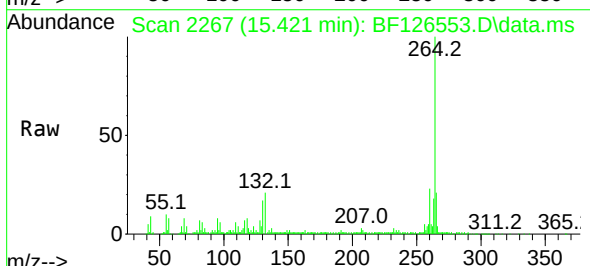
Tgt Ion:264 Resp: 133864

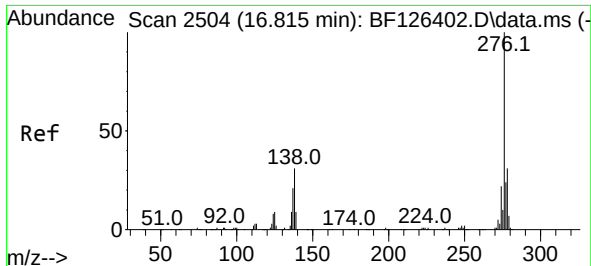
Ion Ratio Lower Upper

264 100

260 23.3 19.2 28.8

265 21.4 17.4 26.2





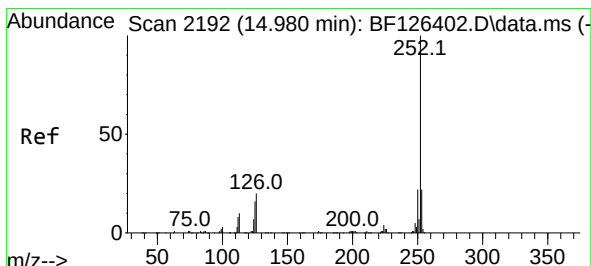
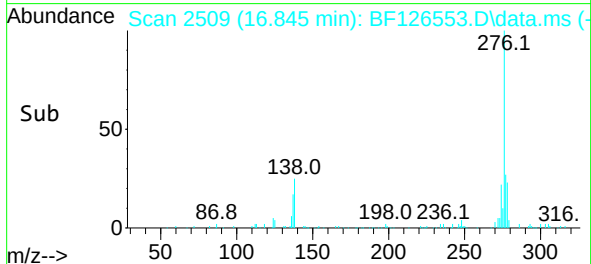
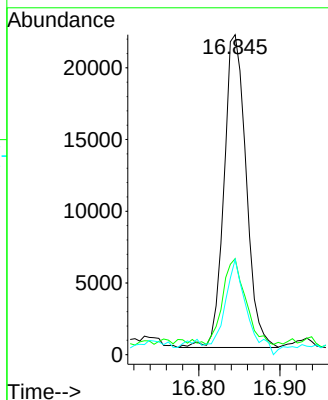
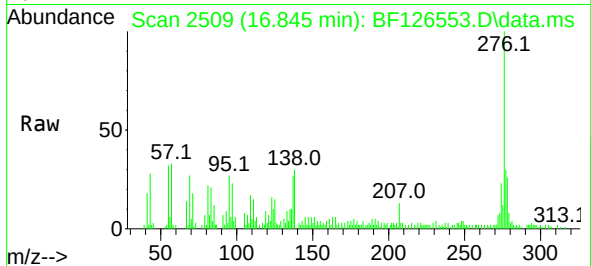
#87
Indeno(1,2,3-cd)pyrene
Concen: 4.611 ng
RT: 16.845 min Scan# 2195
Delta R.T. 0.035 min
Lab File: BF126553.D
Acq: 7 Jan 2022 20:19

Instrument :
BNA_F
ClientSampleId :
HR-2-010622

Tgt Ion:276 Resp: 4131
Ion Ratio Lower Upper
276 100
138 28.0 29.2 43.8
277 30.2 19.8 29.8

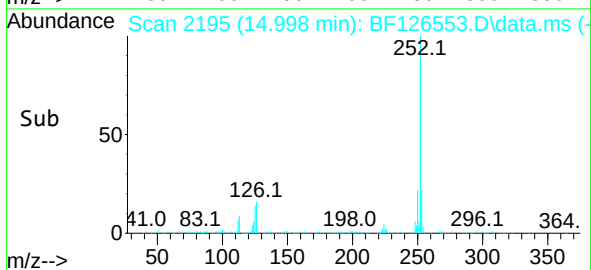
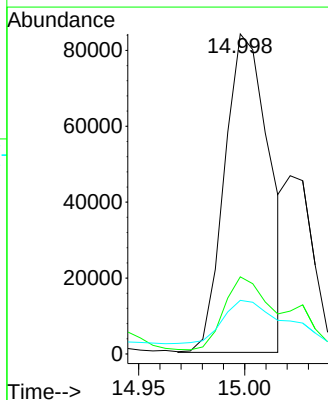
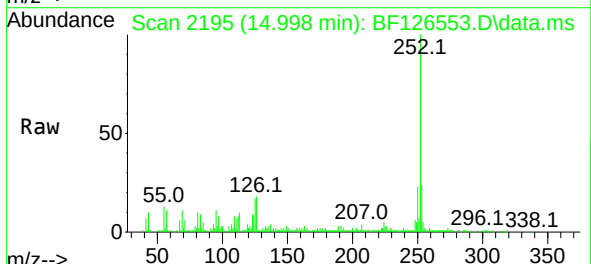
Manual Integrations
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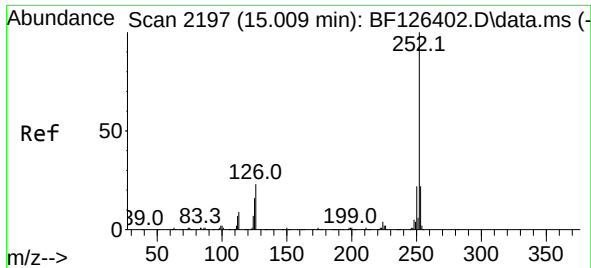
Reviewed By :Christian Giraldo 01/10/2022
Supervised By :Jagrut Upadhyay 01/10/2022



#88
Benzo(b)fluoranthene
Concen: 15.353 ng m
RT: 14.998 min Scan# 2195
Delta R.T. 0.024 min
Lab File: BF126553.D
Acq: 7 Jan 2022 20:19

Tgt Ion:252 Resp: 122430
Ion Ratio Lower Upper
252 100
253 24.1 17.8 26.8
125 16.8 12.4 18.6





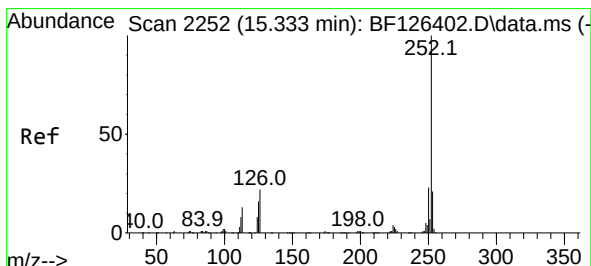
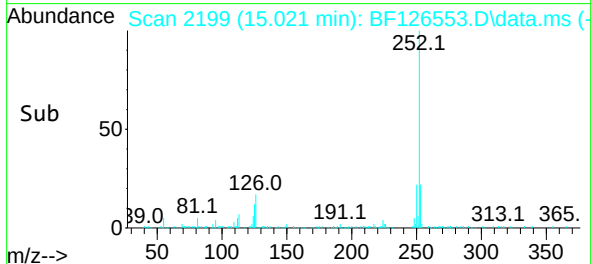
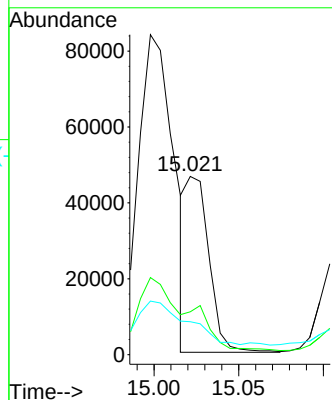
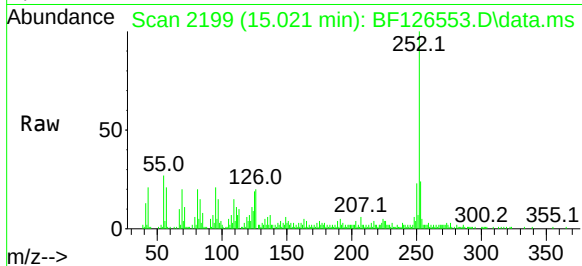
#89
Benzo(k)fluoranthene
Concen: 5.620 ng m
RT: 15.021 min Scan# 2197
Delta R.T. 0.018 min
Lab File: BF126553.D
Acq: 7 Jan 2022 20:19

Instrument :
BNA_F
ClientSampleId :
HR-2-010622

Tgt Ion:252 Resp: 4341
Ion Ratio Lower Upper
252 100
253 24.0 17.5 26.3
125 18.5 11.8 17.6

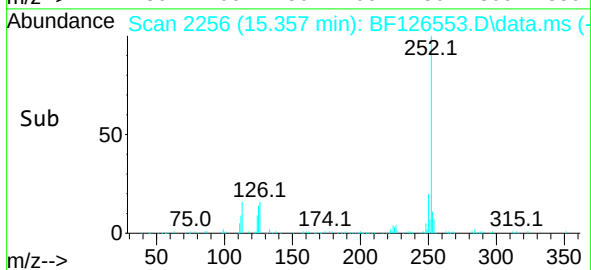
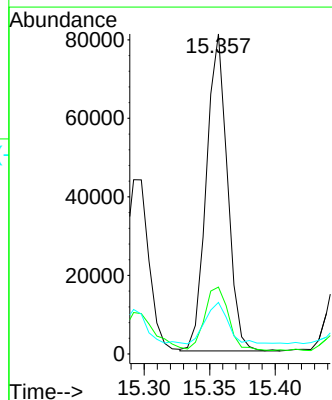
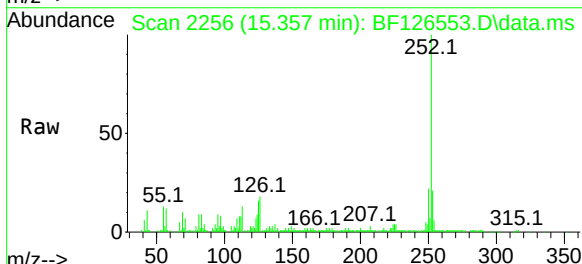
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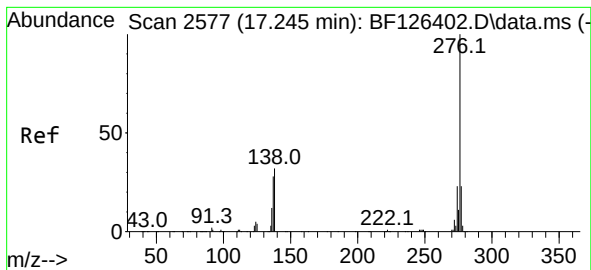
Reviewed By :Christian Giraldo 01/10/2022
Supervised By :Jagrut Upadhyay 01/10/2022



#90
Benzo(a)pyrene
Concen: 13.466 ng
RT: 15.357 min Scan# 2256
Delta R.T. 0.030 min
Lab File: BF126553.D
Acq: 7 Jan 2022 20:19

Tgt Ion:252 Resp: 90039
Ion Ratio Lower Upper
252 100
253 20.9 17.1 25.7
125 16.1 13.0 19.6





#92

Benzo(g,h,i)perylene

Concen: 4.841 ng

RT: 17.274 min Scan# 21

Delta R.T. 0.041 min

Lab File: BF126553.D

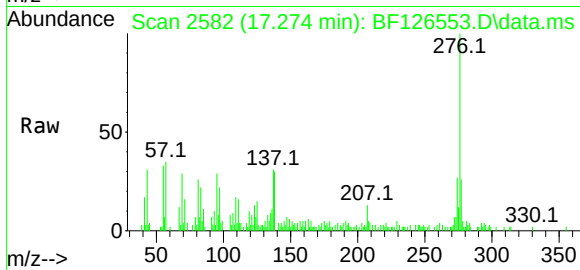
Acq: 7 Jan 2022 20:19

Instrument :

BNA_F

ClientSampleId :

HR-2-010622



Tgt Ion:276 Resp: 3726

Ion Ratio Lower Upper

276 100

277 25.7 18.5 27.7

138 30.3 25.9 38.9

Manual Integrations

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Reviewed By :Christian Giraldo 01/10/2022

Supervised By :Jagrut Upadhyay 01/10/2022

