

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF053122\
 Data File : BF128606.D
 Acq On : 31 May 2022 21:01
 Operator : CG\JU
 Sample : N3080-01
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-4

Manual Integrations
 APPROVED

Reviewed By :Christian Giraldo 06/01/2022
 Supervised By :Jagrut Upadhyay 06/01/2022

Quant Time: Jun 01 00:59:00 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052622.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 27 01:51:59 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.845	152	101752	20.000	ng	0.00
21) Naphthalene-d8	8.128	136	355679	20.000	ng	# 0.00
39) Acenaphthene-d10	9.880	164	173094	20.000	ng	0.00
64) Phenanthrene-d10	11.369	188	278857	20.000	ng	0.00
76) Chrysene-d12	14.016	240	200702	20.000	ng	# 0.00
86) Perylene-d12	15.486	264	152640	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	589670	95.991	ng	0.06
7) Phenol-d6	6.534	99	709427	90.575	ng	0.06
23) Nitrobenzene-d5	7.410	82	514838	83.502	ng	0.00
42) 2,4,6-Tribromophenol	10.680	330	154111	93.539	ng	0.00
45) 2-Fluorobiphenyl	9.204	172	866344	81.314	ng	0.00
79) Terphenyl-d14	12.963	244	734274	70.681	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.392	178	273970	20.740	ng	99
72) Anthracene	11.445	178	79186	6.001	ng	100
75) Fluoranthene	12.586	202	450132	31.873	ng	96
78) Pyrene	12.816	202	380942	25.195	ng	99
81) Benzo(a)anthracene	14.004	228	205368	17.216	ng	98
83) Chrysene	14.039	228	158873	13.004	ng	99
87) Indeno(1,2,3-cd)pyrene	16.951	276	66368	7.372	ng	# 91
88) Benzo(b)fluoranthene	15.057	252	181601m	19.125	ng	
89) Benzo(k)fluoranthene	15.080	252	53739m	6.108	ng	
90) Benzo(a)pyrene	15.421	252	126970m	16.667	ng	
91) Dibenzo(a,h)anthracene	16.962	278	17209	2.305	ng	# 89
92) Benzo(g,h,i)perylene	17.392	276	60205	8.131	ng	95

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

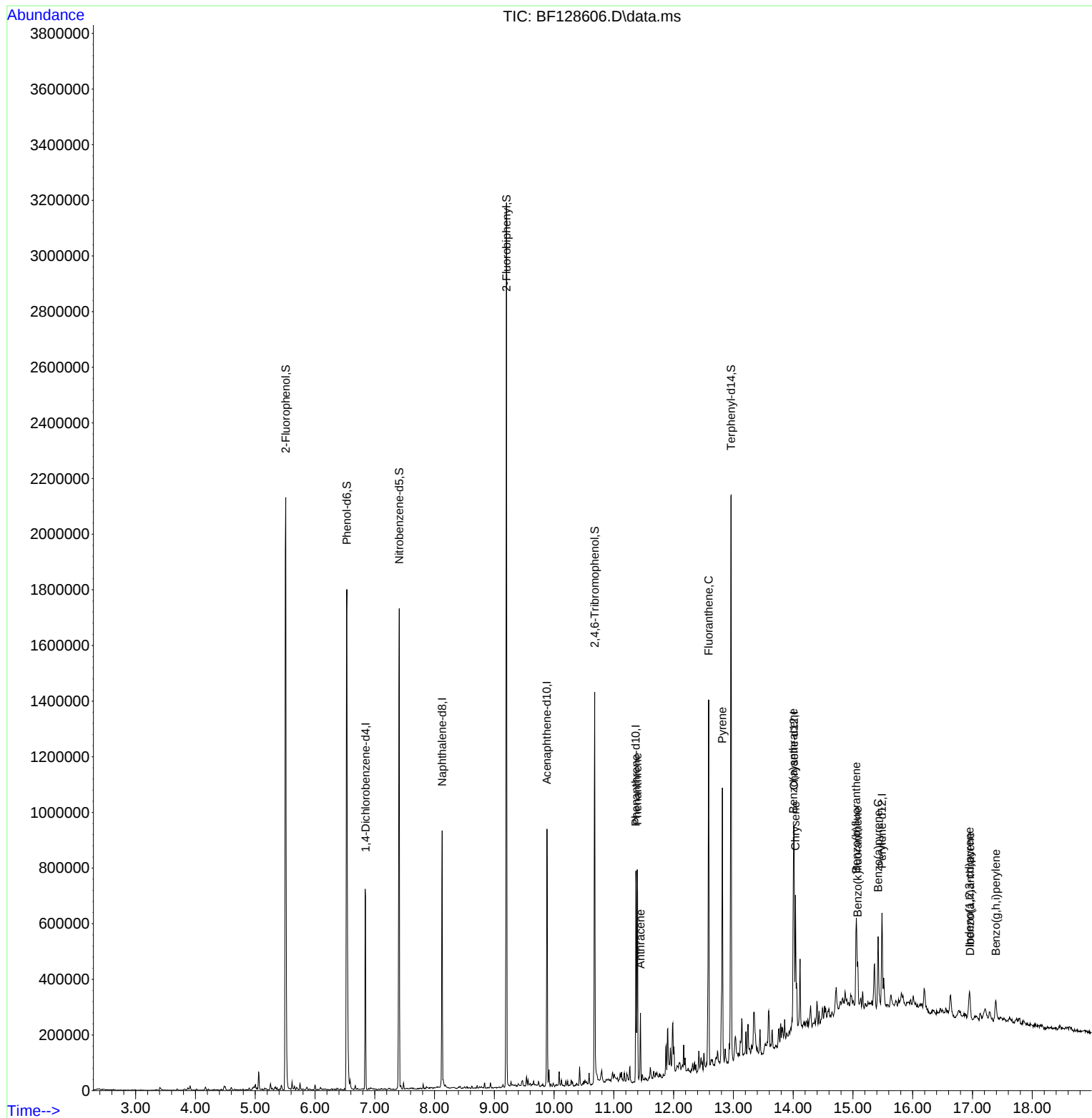
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF053122\
Data File : BF128606.D
Acq On : 31 May 2022 21:01
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Misc :
ALS Vial : 15 Sample Multiplier: 1

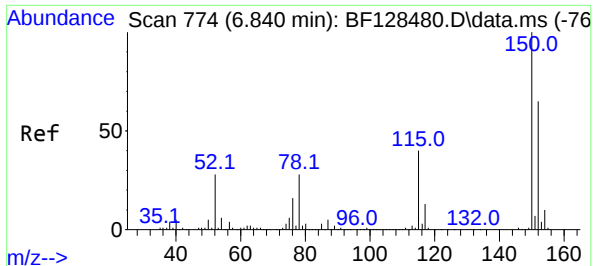
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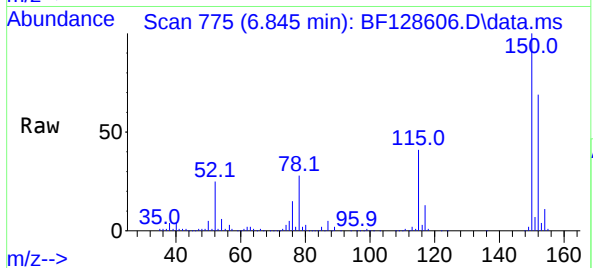
Quant Time: Jun 01 00:59:00 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052622.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri May 27 01:51:59 2022
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#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.845 min Scan# 71
Delta R.T. 0.005 min
Lab File: BF128606.D
Acq: 31 May 2022 21:01

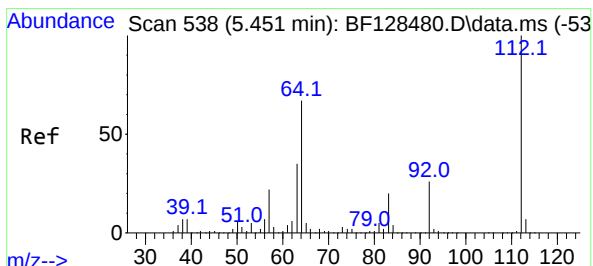
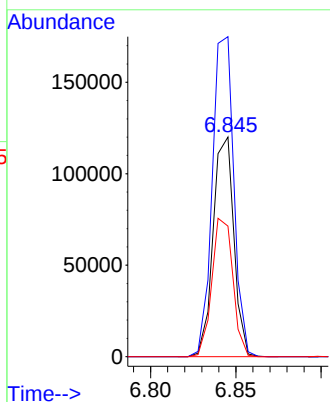
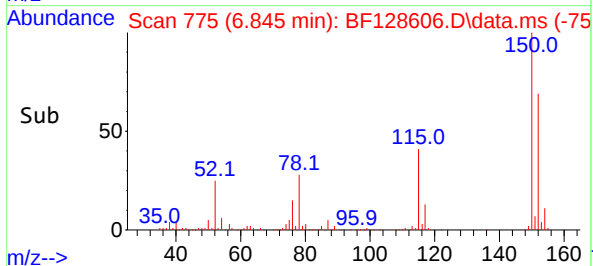
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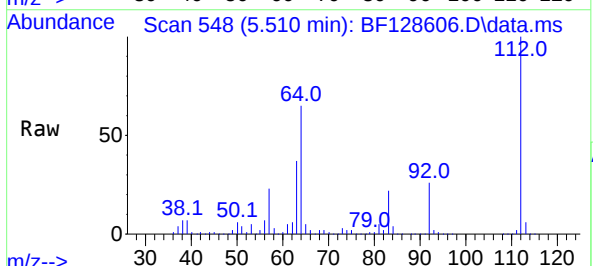
Tgt Ion:152 Resp: 101752
Ion Ratio Lower Upper
152 100
150 145.6 123.7 185.5
115 59.4 49.9 74.9

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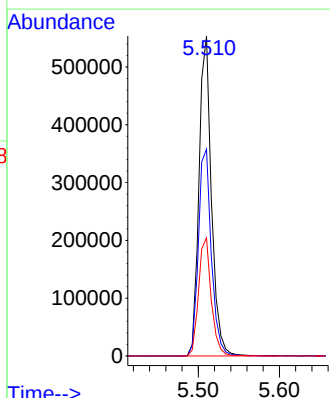
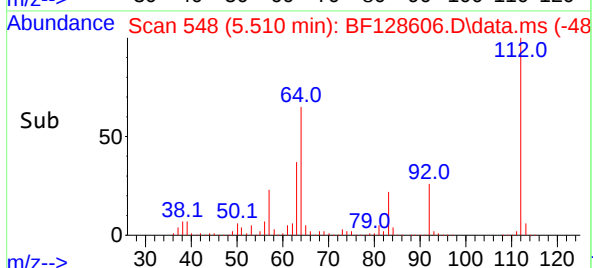
Reviewed By :Christian Giraldo 06/01/2022
Supervised By :Jagrut Upadhyay 06/01/2022

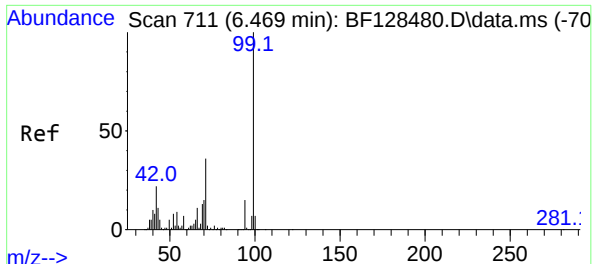


#5
2-Fluorophenol
Concen: 95.991 ng
RT: 5.510 min Scan# 548
Delta R.T. 0.059 min
Lab File: BF128606.D
Acq: 31 May 2022 21:01



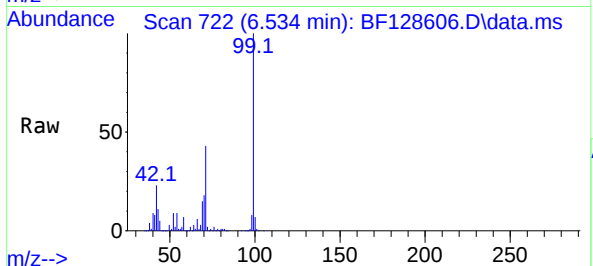
Tgt Ion:112 Resp: 589670
Ion Ratio Lower Upper
112 100
64 64.6 53.3 79.9
63 36.9 28.0 42.0





#7
Phenol-d6
Concen: 90.575 ng
RT: 6.534 min Scan# 711
Delta R.T. 0.065 min
Lab File: BF128606.D
Acq: 31 May 2022 21:01

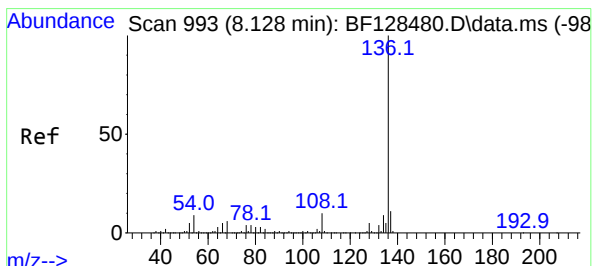
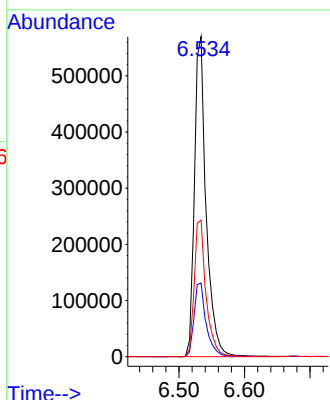
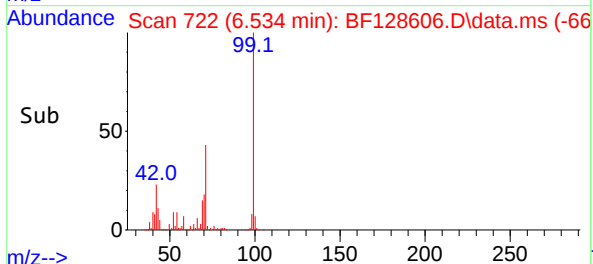
Instrument :
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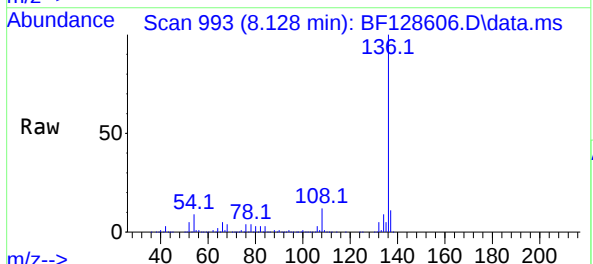
Tgt Ion: 99 Resp: 70942
Ion Ratio Lower Upper
99 100
42 23.0 17.3 25.9
71 42.7 28.9 43.3

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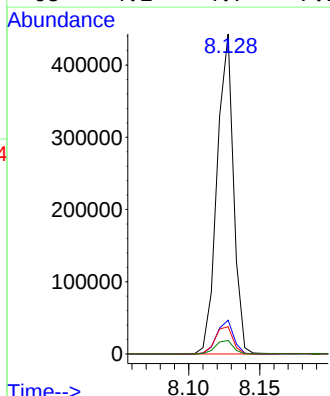
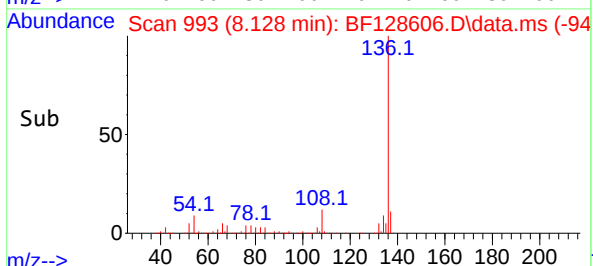
Reviewed By :Christian Giraldo 06/01/2022
Supervised By :Jagrut Upadhyay 06/01/2022

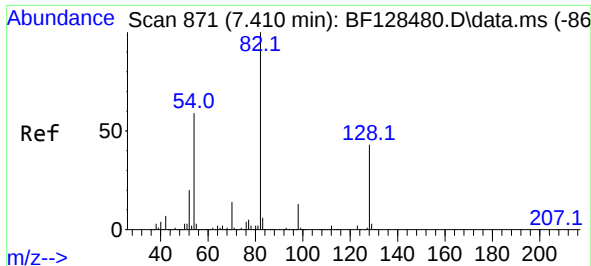


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.128 min Scan# 993
Delta R.T. -0.000 min
Lab File: BF128606.D
Acq: 31 May 2022 21:01



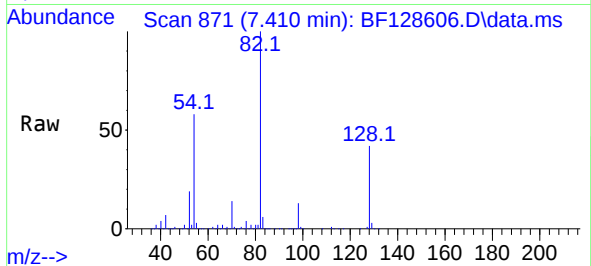
Tgt Ion:136 Resp: 355679
Ion Ratio Lower Upper
136 100
137 10.5 8.8 13.2
54 8.5 7.5 11.3
68 4.2 4.7 7.1#





#23
Nitrobenzene-d5
Concen: 83.502 ng
RT: 7.410 min Scan# 871
Delta R.T. -0.000 min
Lab File: BF128606.D
Acq: 31 May 2022 21:01

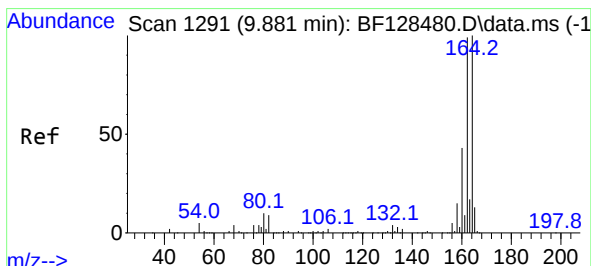
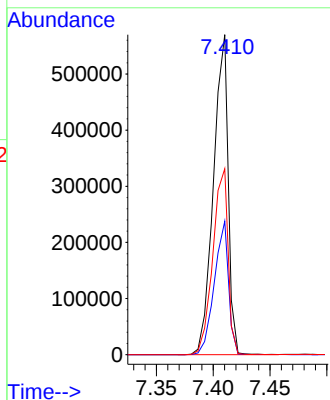
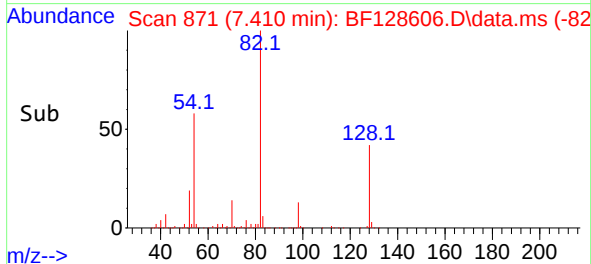
Instrument :
BNA_F
ClientSampleId :
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Tgt Ion: 82 Resp: 514838
Ion Ratio Lower Upper
82 100
128 41.7 34.0 51.0
54 58.1 46.9 70.3

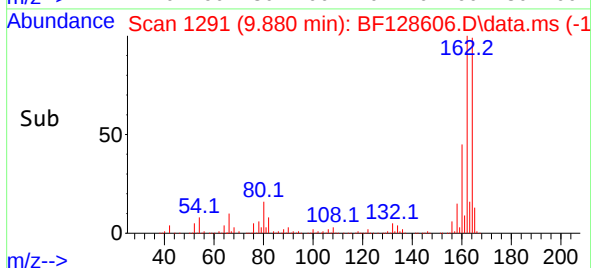
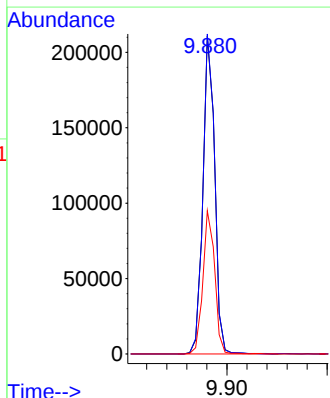
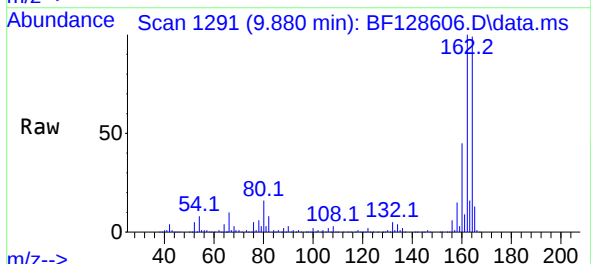
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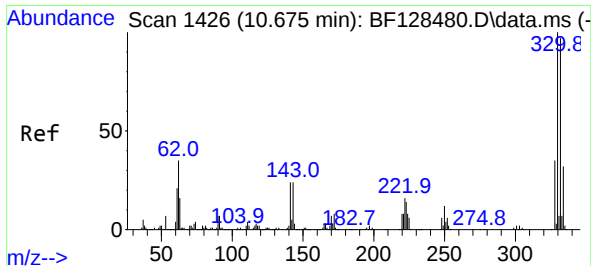
Reviewed By :Christian Giraldo 06/01/2022
Supervised By :Jagrut Upadhyay 06/01/2022



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.880 min Scan# 1291
Delta R.T. -0.001 min
Lab File: BF128606.D
Acq: 31 May 2022 21:01

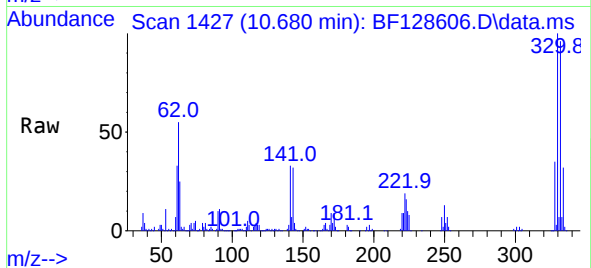
Tgt Ion:164 Resp: 173094
Ion Ratio Lower Upper
164 100
162 100.6 79.5 119.3
160 45.0 34.2 51.4





#42
2,4,6-Tribromophenol
Concen: 93.539 ng
RT: 10.680 min Scan# 1426
Delta R.T. 0.006 min
Lab File: BF128606.D
Acq: 31 May 2022 21:01

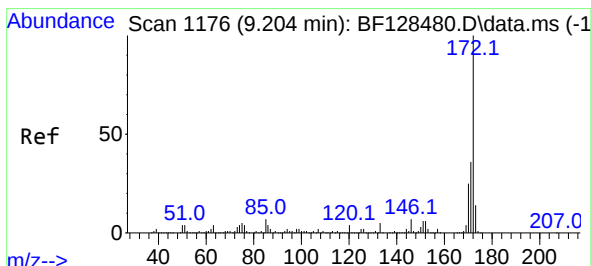
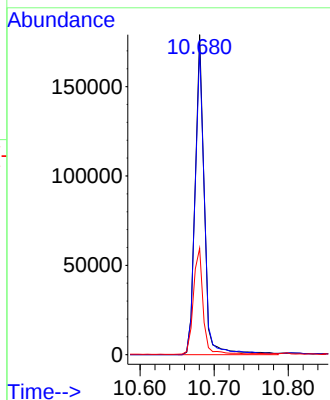
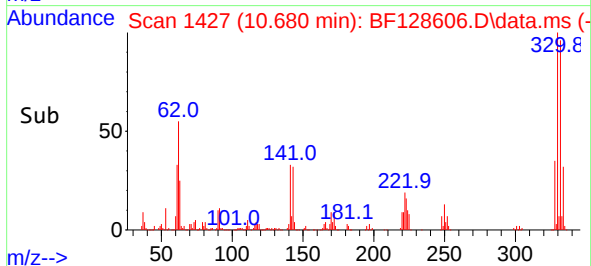
Instrument :
BNA_F
ClientSampleId :
WC-4



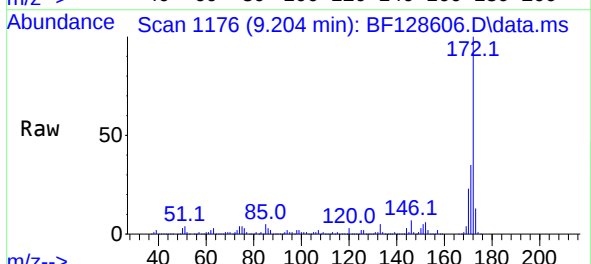
Tgt Ion: 330 Resp: 15411
Ion Ratio Lower Upper
330 100
332 98.0 76.8 115.2
141 35.1 28.0 42.0

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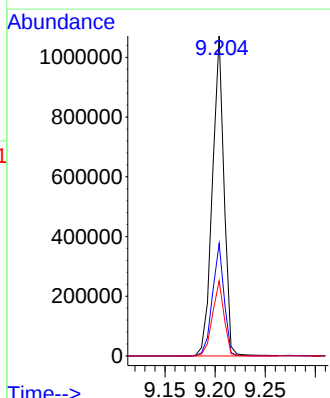
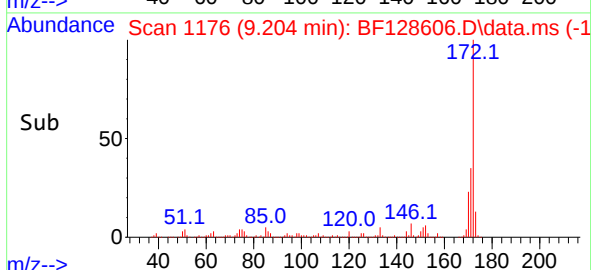
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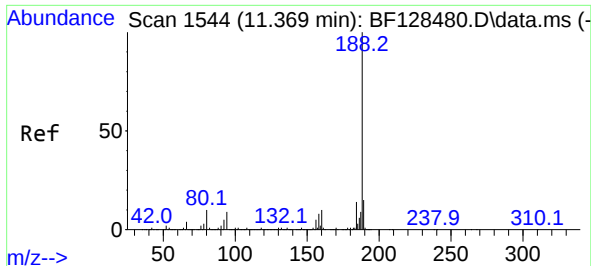


#45
2-Fluorobiphenyl
Concen: 81.314 ng
RT: 9.204 min Scan# 1176
Delta R.T. -0.000 min
Lab File: BF128606.D
Acq: 31 May 2022 21:01



Tgt Ion: 172 Resp: 866344
Ion Ratio Lower Upper
172 100
171 35.2 28.8 43.2
170 23.5 19.8 29.8





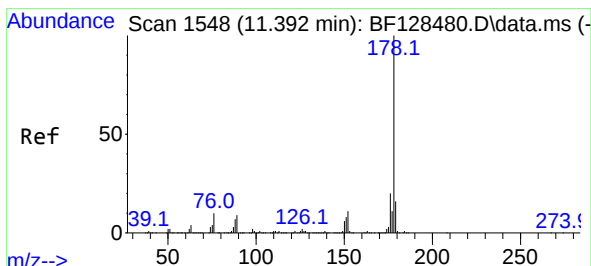
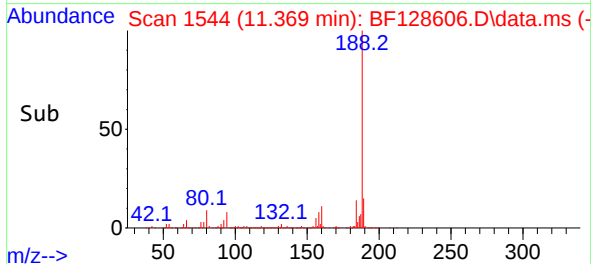
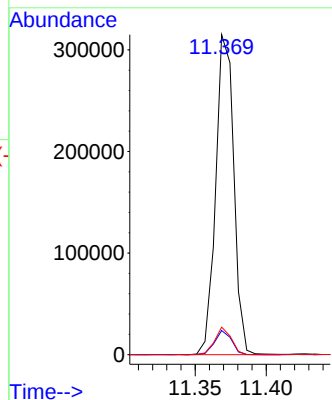
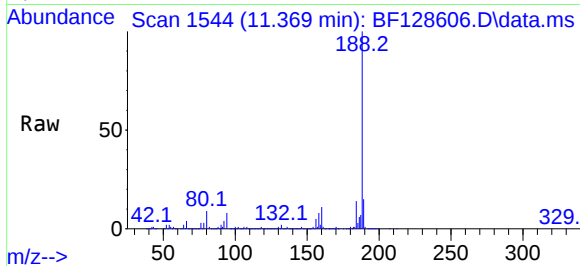
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.369 min Scan# 1544
Delta R.T. -0.000 min
Lab File: BF128606.D
Acq: 31 May 2022 21:01

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WC-4

Tgt Ion:188 Resp: 27885
Ion Ratio Lower Upper
188 100
94 7.5 7.0 10.6
80 8.6 7.6 11.4

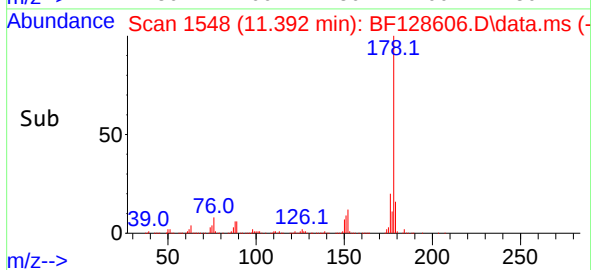
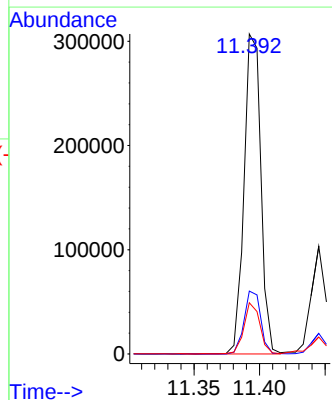
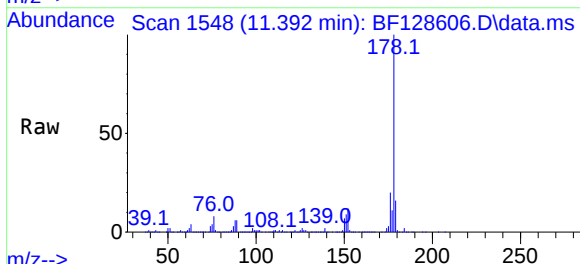
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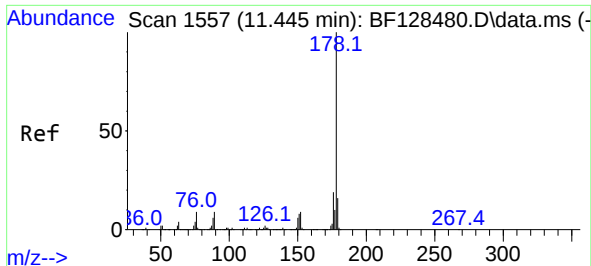
Reviewed By :Christian Giraldo 06/01/2022
Supervised By :Jagrut Upadhyay 06/01/2022



#71
Phenanthrene
Concen: 20.740 ng
RT: 11.392 min Scan# 1548
Delta R.T. -0.000 min
Lab File: BF128606.D
Acq: 31 May 2022 21:01

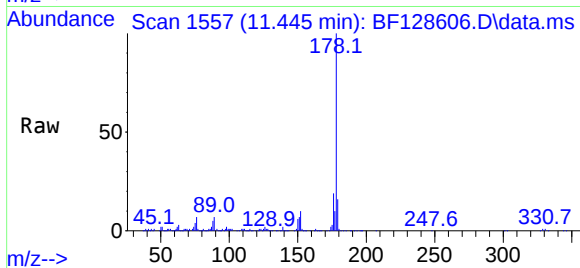
Tgt Ion:178 Resp: 273970
Ion Ratio Lower Upper
178 100
176 19.6 16.0 24.0
179 16.0 12.6 19.0





#72
 Anthracene
 Concen: 6.001 ng
 RT: 11.445 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: BF128606.D
 Acq: 31 May 2022 21:01

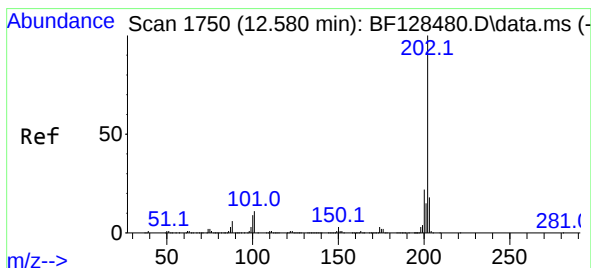
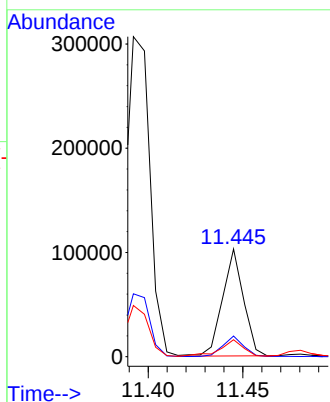
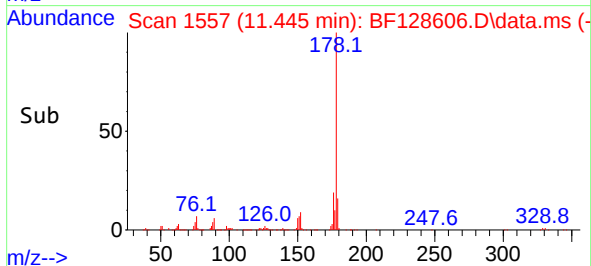
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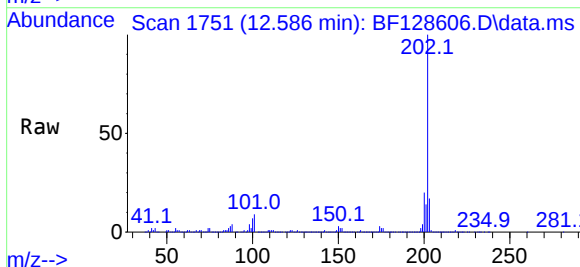
Tgt Ion:178 Resp: 79180
 Ion Ratio Lower Upper
 178 100
 176 19.1 15.4 23.2
 179 15.7 12.6 19.0

Manual Integrations
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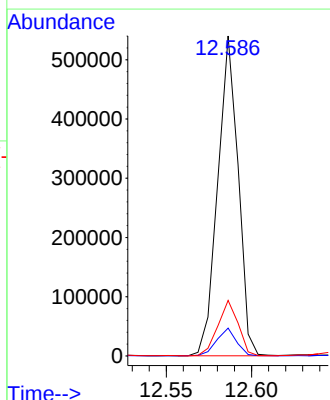
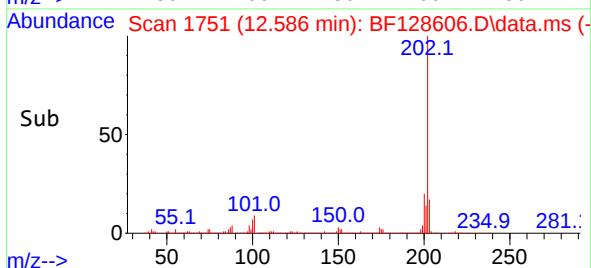
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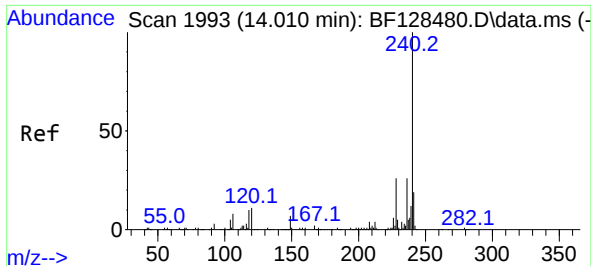


#75
 Fluoranthene
 Concen: 31.873 ng
 RT: 12.586 min Scan# 1751
 Delta R.T. 0.006 min
 Lab File: BF128606.D
 Acq: 31 May 2022 21:01



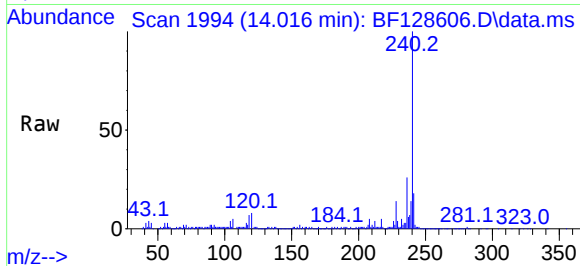
Tgt Ion:202 Resp: 450132
 Ion Ratio Lower Upper
 202 100
 101 8.7 0.0 31.4
 203 17.4 0.0 38.0





#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.016 min Scan# 1994
Delta R.T. 0.006 min
Lab File: BF128606.D
Acq: 31 May 2022 21:01

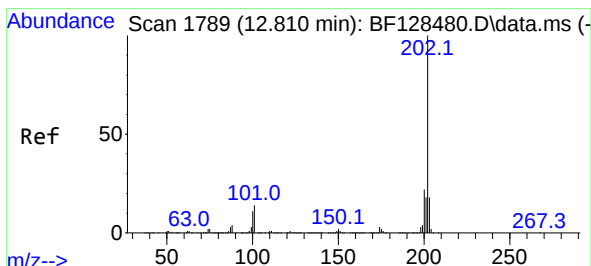
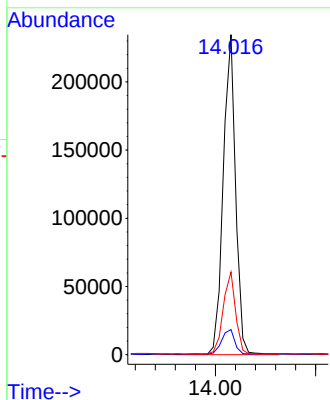
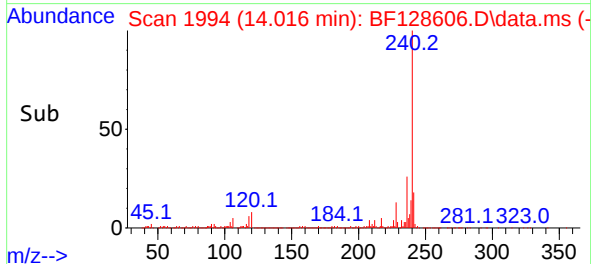
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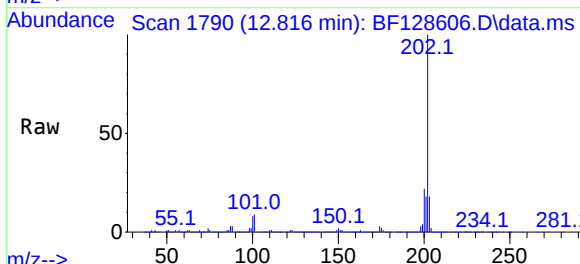
Tgt Ion:240 Resp: 200702
Ion Ratio Lower Upper
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120 7.8 8.9 13.3
236 25.9 20.8 31.2

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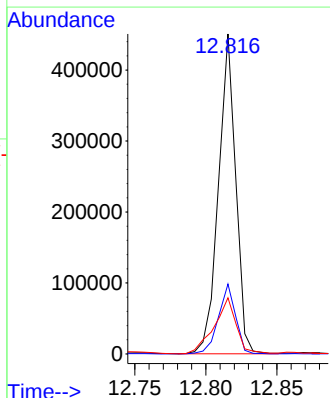
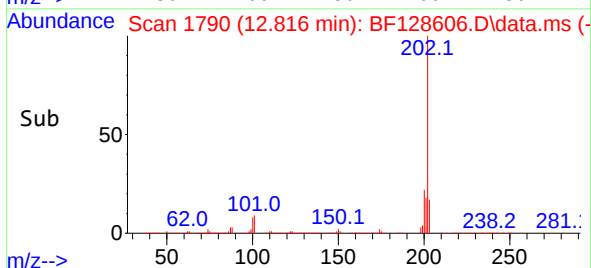
Reviewed By :Christian Giraldo 06/01/2022
Supervised By :Jagrut Upadhyay 06/01/2022

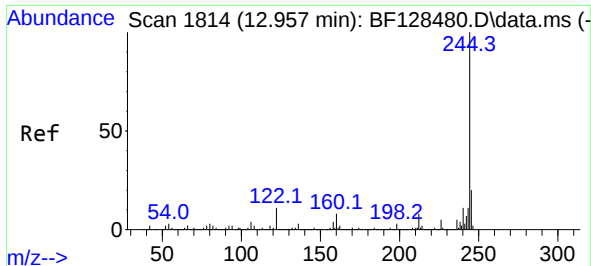


#78
Pyrene
Concen: 25.195 ng
RT: 12.816 min Scan# 1790
Delta R.T. 0.006 min
Lab File: BF128606.D
Acq: 31 May 2022 21:01



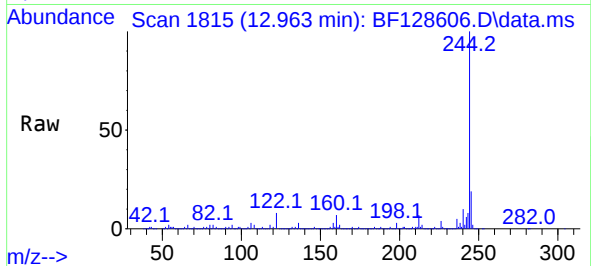
Tgt Ion:202 Resp: 380942
Ion Ratio Lower Upper
202 100
200 21.8 17.7 26.5
203 17.5 14.6 21.8





#79
 Terphenyl-d14
 Concen: 70.681 ng
 RT: 12.963 min Scan# 1815
 Delta R.T. 0.006 min
 Lab File: BF128606.D
 Acq: 31 May 2022 21:01

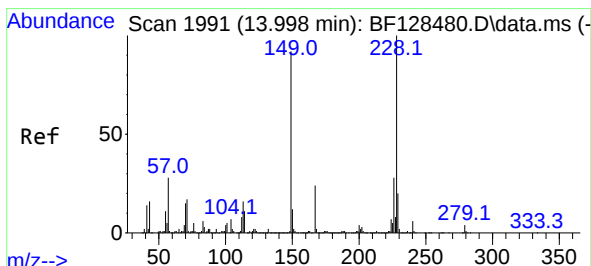
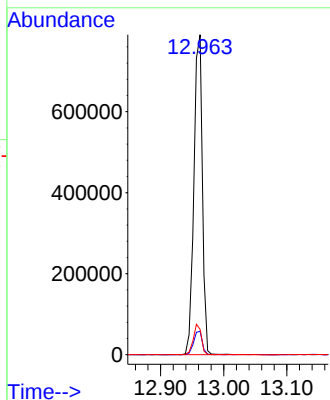
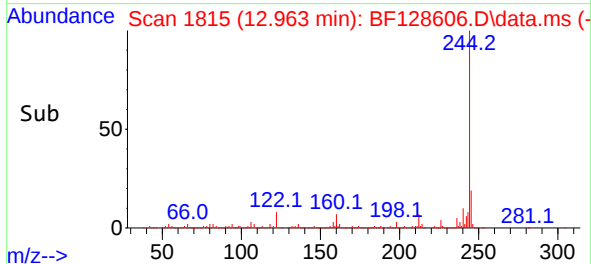
Instrument :
 BNA_F
 ClientSampleId :
 WC-4



Tgt Ion:244 Resp: 734274
 Ion Ratio Lower Upper
 244 100
 212 7.3 6.1 9.1
 122 7.9 8.8 13.2

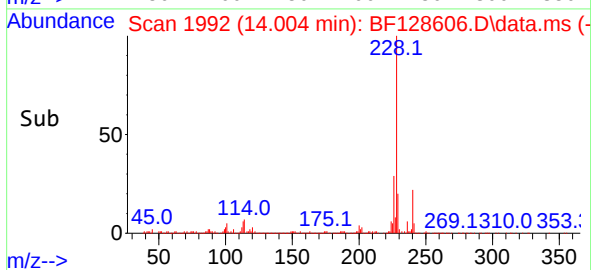
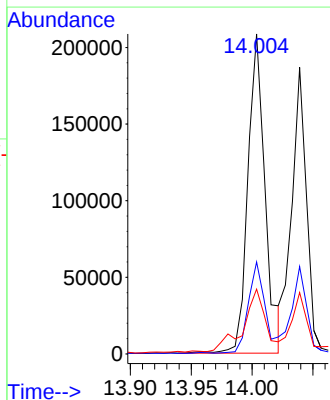
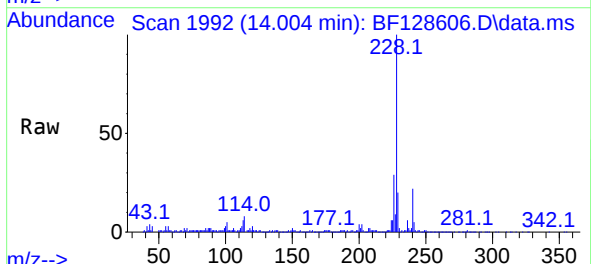
Manual Integrations
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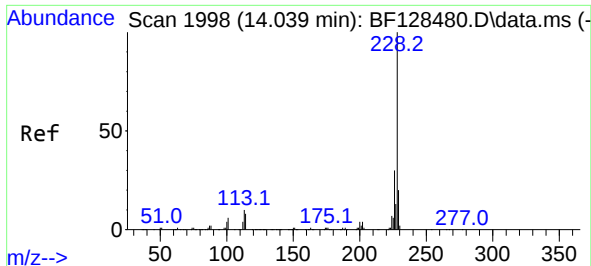
Reviewed By :Christian Giraldo 06/01/2022
 Supervised By :Jagrut Upadhyay 06/01/2022



#81
 Benzo(a)anthracene
 Concen: 17.216 ng
 RT: 14.004 min Scan# 1992
 Delta R.T. 0.006 min
 Lab File: BF128606.D
 Acq: 31 May 2022 21:01

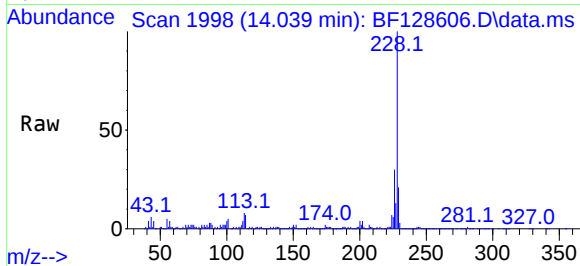
Tgt Ion:228 Resp: 205368
 Ion Ratio Lower Upper
 228 100
 226 28.7 22.1 33.1
 229 20.2 15.8 23.8





#83
Chrysene
Concen: 13.004 ng
RT: 14.039 min Scan# 1998
Delta R.T. -0.000 min
Lab File: BF128606.D
Acq: 31 May 2022 21:01

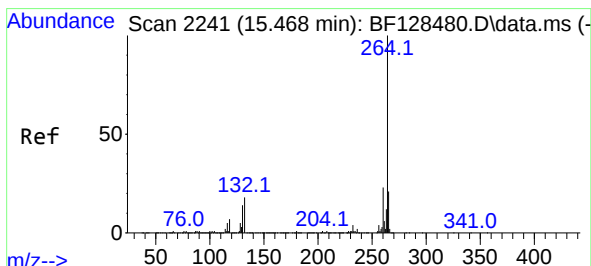
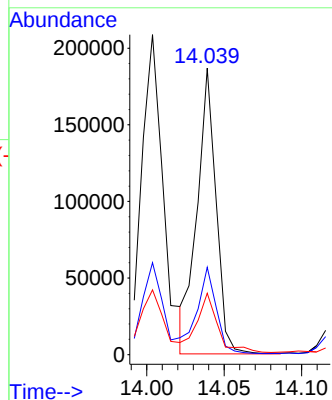
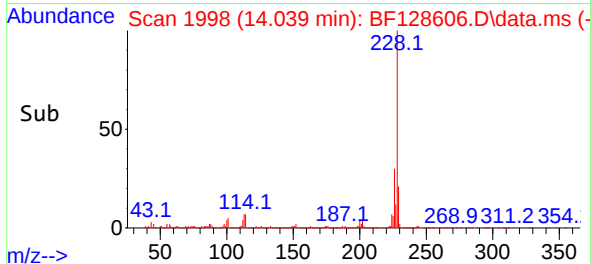
Instrument :
BNA_F
ClientSampleId :
WC-4



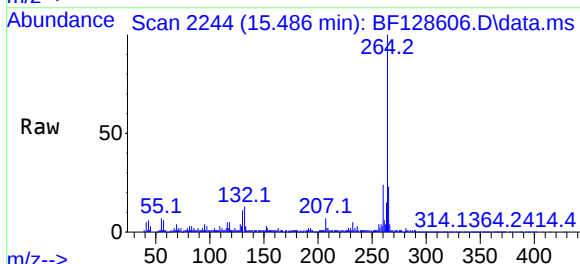
Tgt Ion:228 Resp: 15887
Ion Ratio Lower Upper
228 100
226 30.5 24.3 36.5
229 21.4 15.9 23.9

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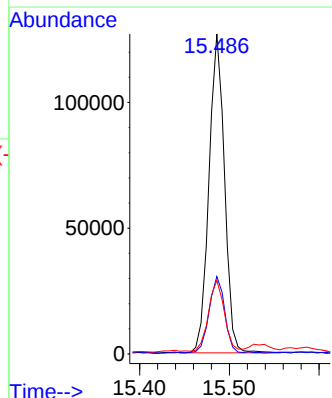
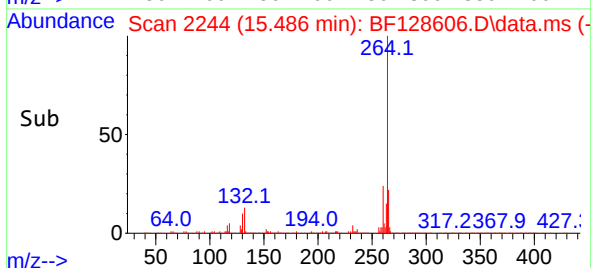
Reviewed By :Christian Giraldo 06/01/2022
Supervised By :Jagrut Upadhyay 06/01/2022

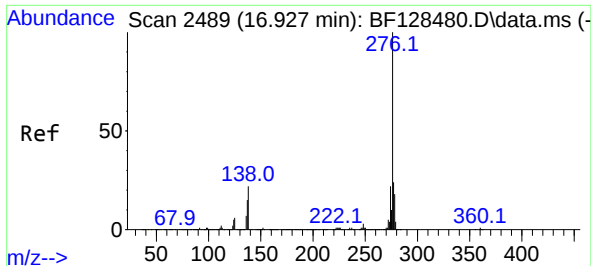


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.486 min Scan# 2244
Delta R.T. 0.018 min
Lab File: BF128606.D
Acq: 31 May 2022 21:01



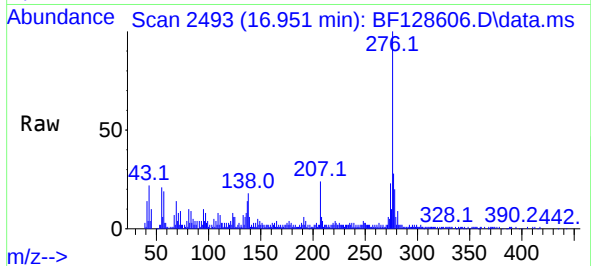
Tgt Ion:264 Resp: 152640
Ion Ratio Lower Upper
264 100
260 24.2 18.4 27.6
265 23.0 17.2 25.8





#87
Indeno(1,2,3-cd)pyrene
Concen: 7.372 ng
RT: 16.951 min Scan# 2493
Delta R.T. 0.023 min
Lab File: BF128606.D
Acq: 31 May 2022 21:01

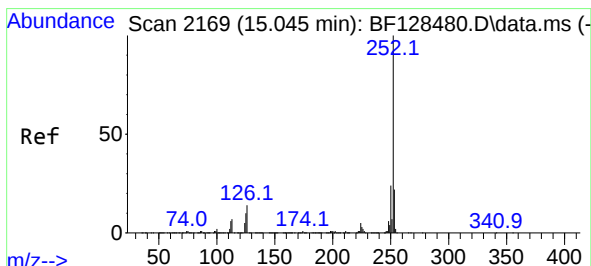
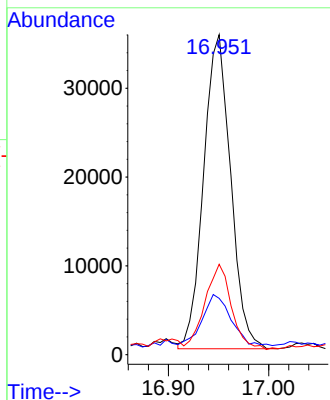
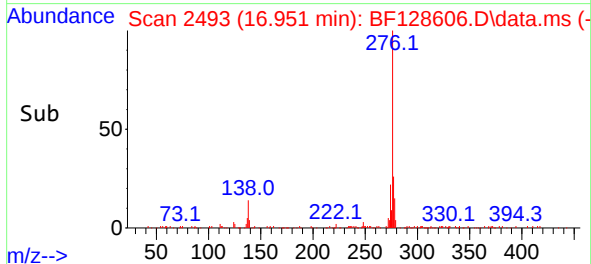
Instrument :
BNA_F
ClientSampleId :
WC-4



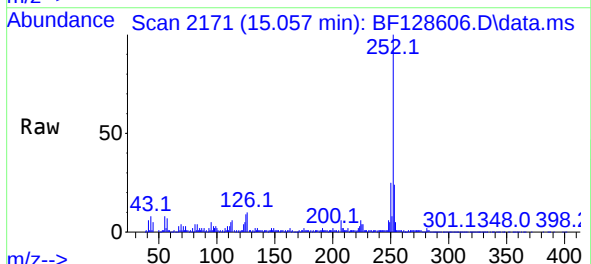
Tgt Ion: 276 Resp: 66368
Ion Ratio Lower Upper
276 100
138 17.5 21.1 31.7
277 25.7 20.3 30.5

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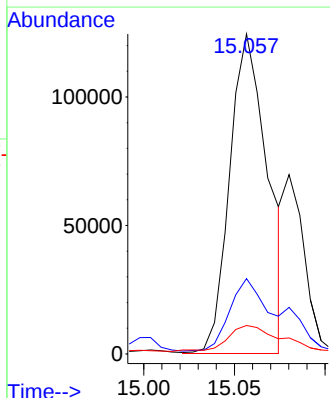
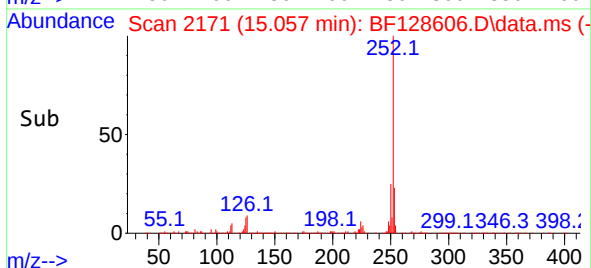
Reviewed By : Christian Giraldo 06/01/2022
Supervised By : Jagrut Upadhyay 06/01/2022

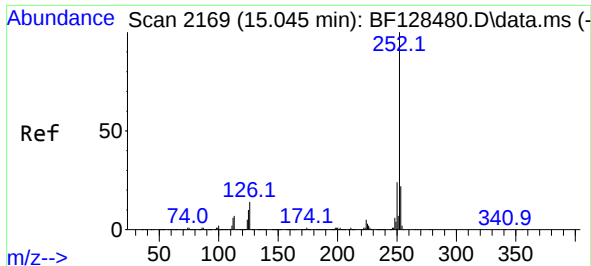


#88
Benzo(b)fluoranthene
Concen: 19.125 ng m
RT: 15.057 min Scan# 2171
Delta R.T. 0.012 min
Lab File: BF128606.D
Acq: 31 May 2022 21:01



Tgt Ion: 252 Resp: 181601
Ion Ratio Lower Upper
252 100
253 23.5 17.7 26.5
125 8.9 8.0 12.0





#89

Benzo(k)fluoranthene

Concen: 6.108 ng m

RT: 15.080 min Scan# 2175

Delta R.T. 0.006 min

Lab File: BF128606.D

Acq: 31 May 2022 21:01

Instrument :

BNA_F

ClientSampleId :

WC-4

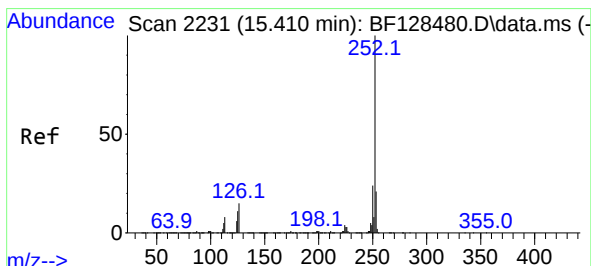
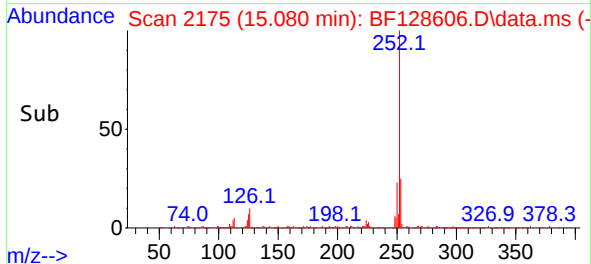
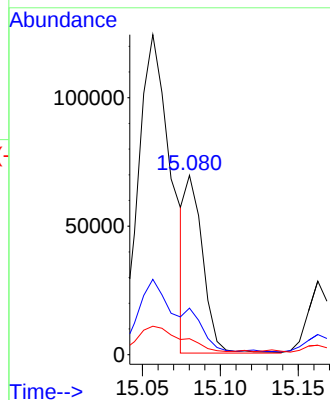
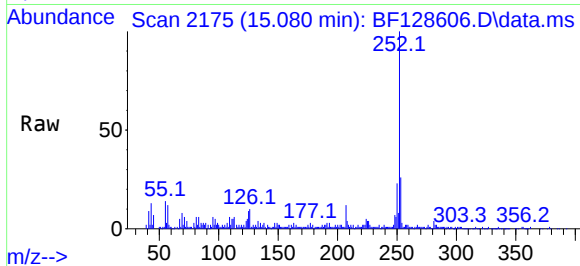
Tgt Ion:252	Resp:	53739
Ion Ratio	Lower	Upper
252	100	
253	26.0	17.8 26.6
125	8.9	8.3 12.5

Manual Integrations

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Reviewed By :Christian Giraldo 06/01/2022

Supervised By :Jagrut Upadhyay 06/01/2022



#90

Benzo(a)pyrene

Concen: 16.667 ng m

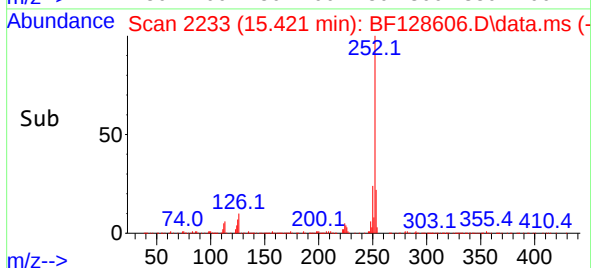
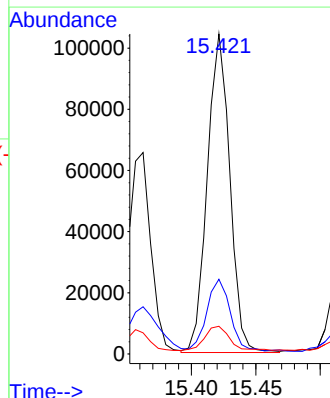
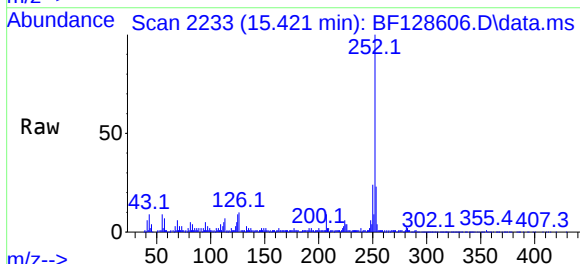
RT: 15.421 min Scan# 2233

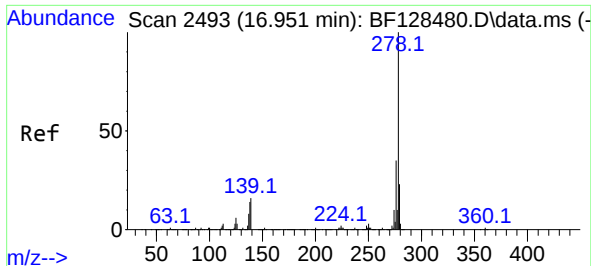
Delta R.T. 0.012 min

Lab File: BF128606.D

Acq: 31 May 2022 21:01

Tgt Ion:252	Resp:	126970
Ion Ratio	Lower	Upper
252	100	
253	23.4	17.0 25.6
125	8.7	8.8 13.2





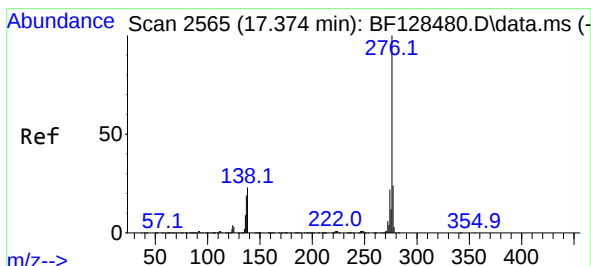
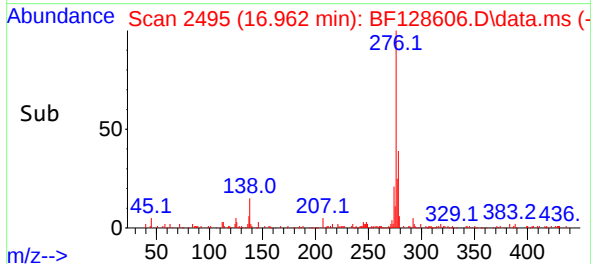
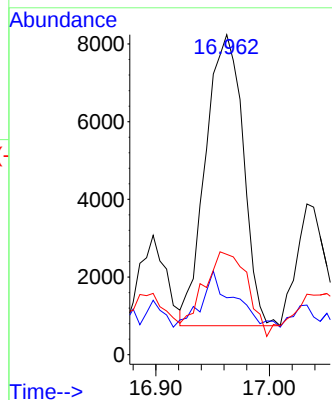
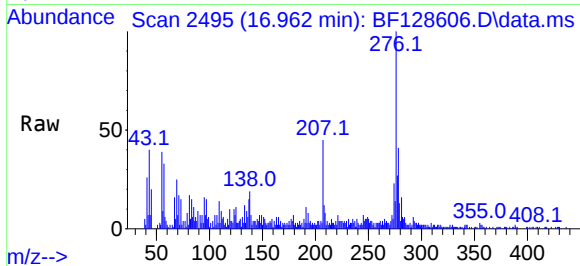
#91
Dibenzo(a,h)anthracene
Concen: 2.305 ng
RT: 16.962 min Scan# 2495
Delta R.T. 0.012 min
Lab File: BF128606.D
Acq: 31 May 2022 21:01

Instrument :
BNA_F
ClientSampleId :
WC-4

Tgt Ion: 278 Resp: 17205
Ion Ratio Lower Upper
278 100
139 17.8 12.8 19.2
279 31.3 18.6 28.0

Manual Integrations
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Reviewed By : Christian Giraldo 06/01/2022
Supervised By : Jagrut Upadhyay 06/01/2022



#92
Benzo(g,h,i)perylene
Concen: 8.131 ng
RT: 17.392 min Scan# 2568
Delta R.T. 0.018 min
Lab File: BF128606.D
Acq: 31 May 2022 21:01

Tgt Ion: 276 Resp: 60205
Ion Ratio Lower Upper
276 100
277 25.5 19.1 28.7
138 18.9 18.0 27.0

