

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080122\
 Data File : BF129487.D
 Acq On : 01 Aug 2022 22:34
 Operator : CG\JU
 Sample : N3970-01
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MHB-UPPER

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 08/02/2022
 Supervised By : Jagrut Upadhyay 08/02/2022

Quant Time: Aug 02 01:18:41 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF072522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 02 01:11:25 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	173841	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	686258	20.000	ng	0.00
39) Acenaphthene-d10	9.910	164	317872	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	431468	20.000	ng	0.00
76) Chrysene-d12	14.045	240	328805	20.000	ng	0.00
86) Perylene-d12	15.533	264	369625	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.516	112	1195027	111.981	ng	0.01
7) Phenol-d6	6.522	99	1504377	112.153	ng	0.00
23) Nitrobenzene-d5	7.440	82	938836	74.680	ng	0.00
42) 2,4,6-Tribromophenol	10.704	330	262015	85.735	ng	0.00
45) 2-Fluorobiphenyl	9.234	172	1546003	75.237	ng	0.00
79) Terphenyl-d14	12.986	244	1037465	59.526	ng	0.00
Target Compounds						Qvalue
52) Acenaphthene	9.945	154	42924	2.306	ng	98
58) Fluorene	10.457	166	64787	3.156	ng	99
71) Phenanthrene	11.428	178	792447	33.646	ng	99
72) Anthracene	11.475	178	205226	8.867	ng	98
73) Carbazole	11.633	167	51431	2.361	ng	99
75) Fluoranthene	12.622	202	813085	34.071	ng	99
78) Pyrene	12.851	202	807614	29.373	ng	99
81) Benzo(a)anthracene	14.033	228	451101	20.084	ng	99
83) Chrysene	14.074	228	396943	18.752	ng	99
87) Indeno(1,2,3-cd)pyrene	17.027	276	171353	6.884	ng	96
88) Benzo(b)fluoranthene	15.092	252	441897m	18.023	ng	
89) Benzo(k)fluoranthene	15.121	252	158549m	6.599	ng	
90) Benzo(a)pyrene	15.468	252	352837	17.727	ng	99
91) Dibenzo(a,h)anthracene	17.033	278	47653	2.352	ng	94
92) Benzo(g,h,i)perylene	17.480	276	158229	7.643	ng	100

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

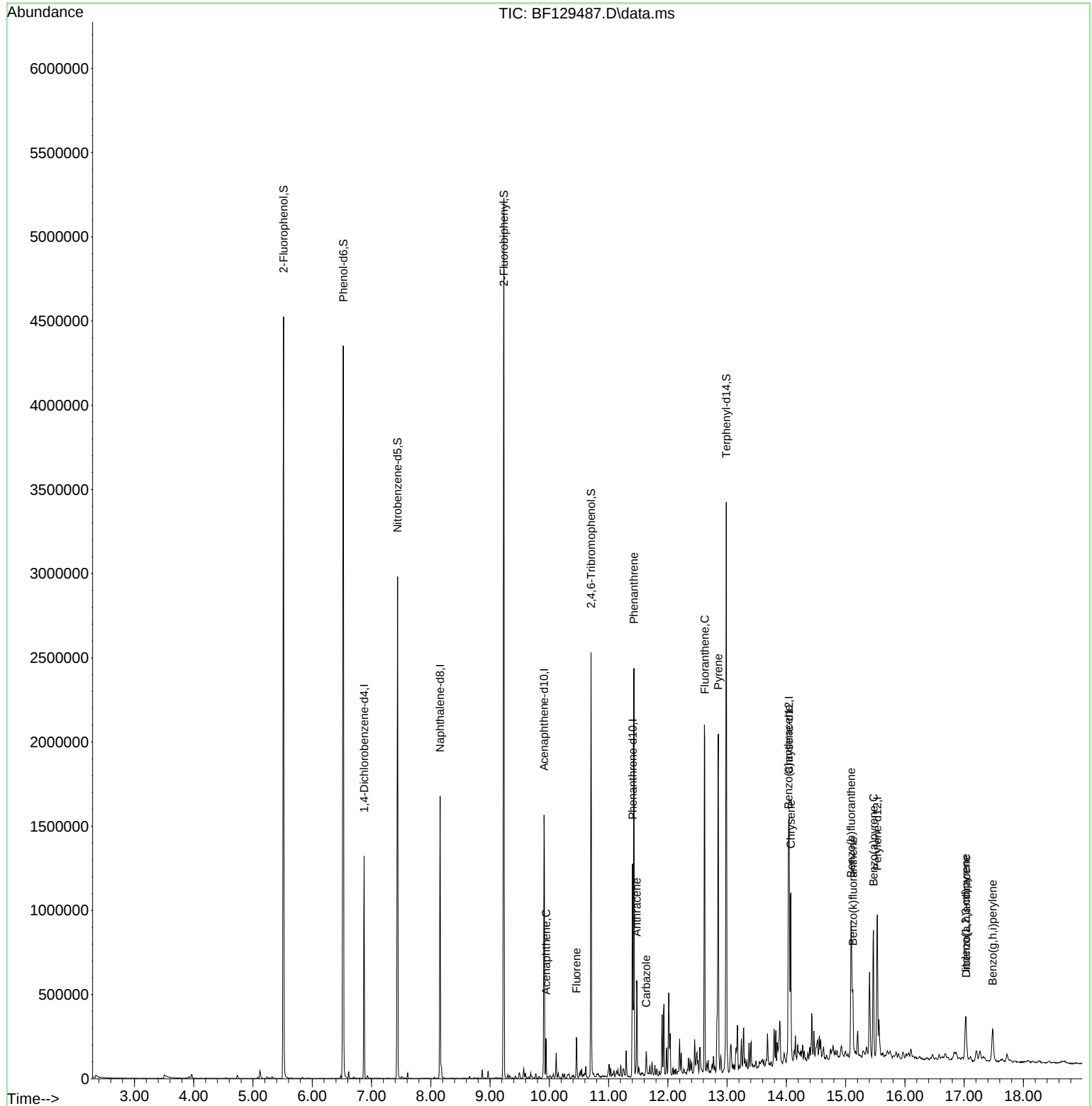
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080122\
Data File : BF129487.D
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ALS Vial : 13 Sample Multiplier: 1

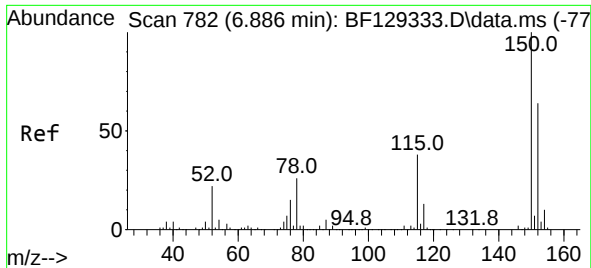
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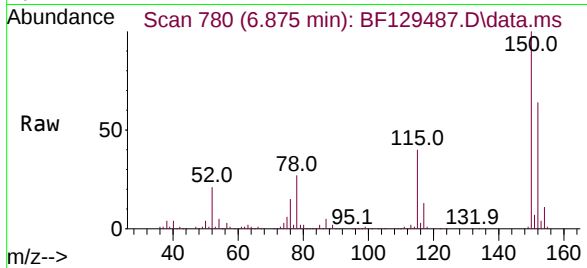
Quant Time: Aug 02 01:18:41 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF072522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 02 01:11:25 2022
Response via : Initial Calibration





#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.875 min Scan# 782
 Delta R.T. -0.000 min
 Lab File: BF129487.D
 Acq: 01 Aug 2022 22:34

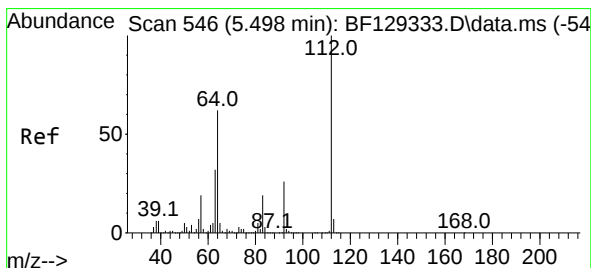
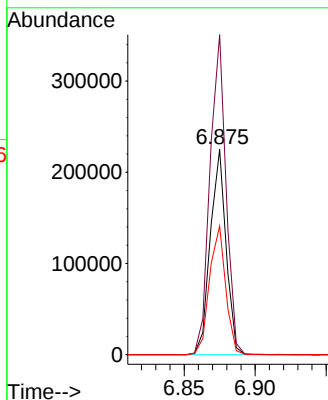
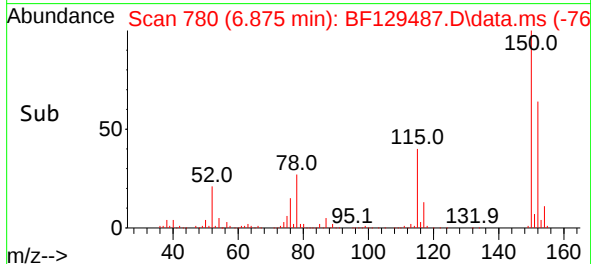
Instrument :
 BNA_F
 ClientSampleId :
 MHB-UPPER



Tgt Ion:152 Resp: 17384
 Ion Ratio Lower Upper
 152 100
 150 155.8 123.7 185.5
 115 62.6 49.9 74.9

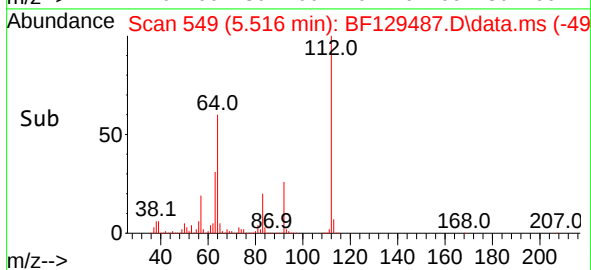
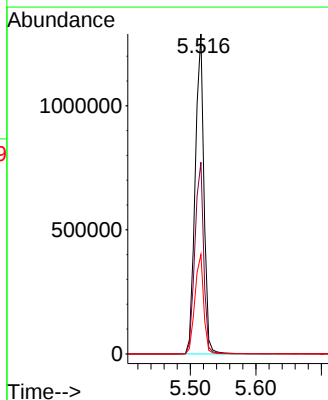
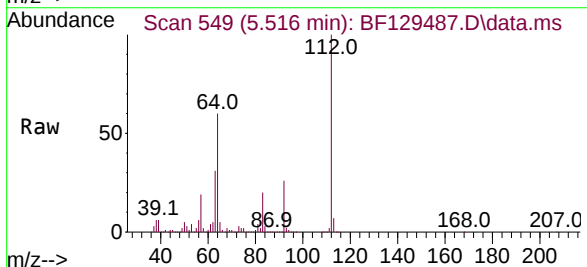
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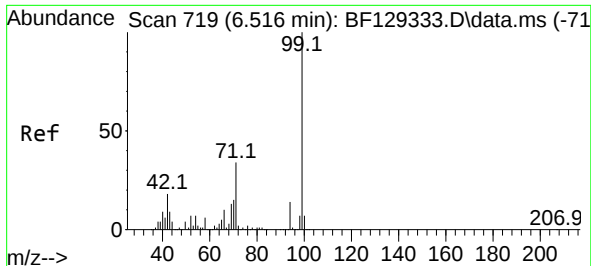
Reviewed By :Christian Giraldo 08/02/2022
 Supervised By :Jagrut Upadhyay 08/02/2022



#5
 2-Fluorophenol
 Concen: 111.981 ng
 RT: 5.516 min Scan# 549
 Delta R.T. 0.012 min
 Lab File: BF129487.D
 Acq: 01 Aug 2022 22:34

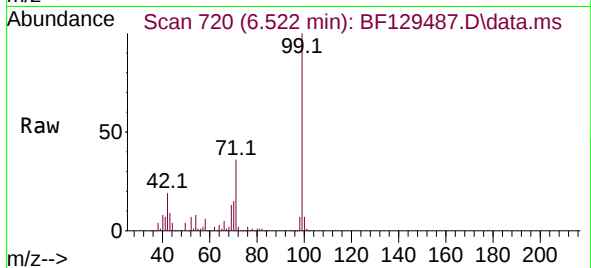
Tgt Ion:112 Resp: 1195027
 Ion Ratio Lower Upper
 112 100
 64 59.9 53.3 79.9
 63 31.1 28.0 42.0





#7
Phenol-d6
Concen: 112.153 ng
RT: 6.522 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF129487.D
Acq: 01 Aug 2022 22:34

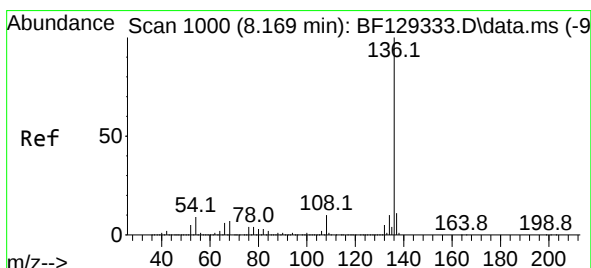
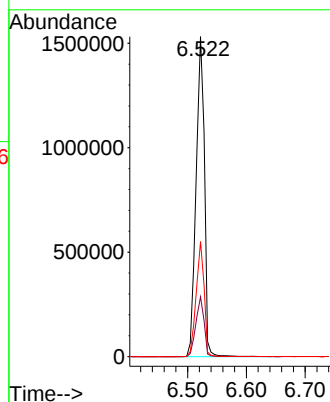
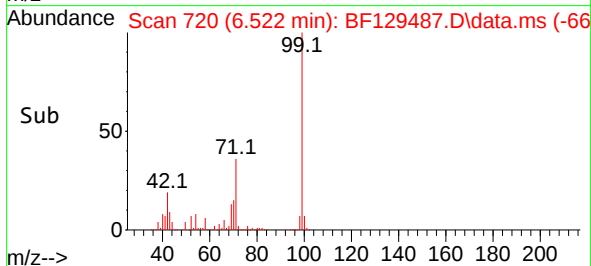
Instrument :
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MHB-UPPER



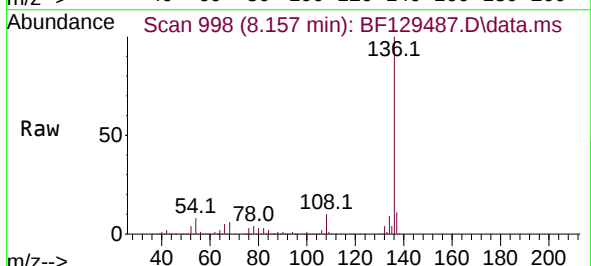
Tgt Ion: 99 Resp: 150437
Ion Ratio Lower Upper
99 100
42 18.7 17.3 25.9
71 35.9 28.9 43.3

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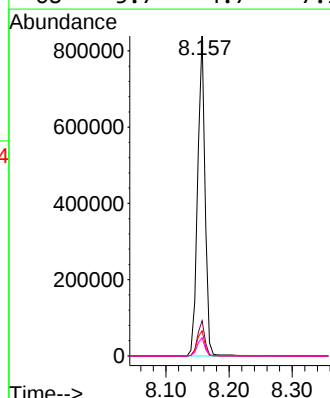
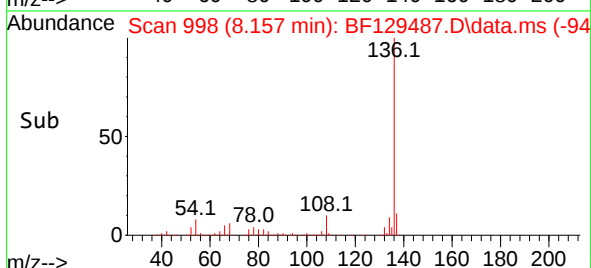
Reviewed By :Christian Giraldo 08/02/2022
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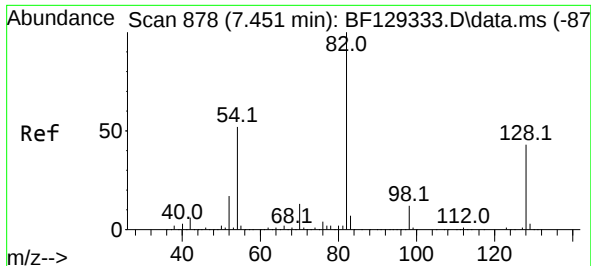


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 998
Delta R.T. -0.006 min
Lab File: BF129487.D
Acq: 01 Aug 2022 22:34



Tgt Ion:136 Resp: 686258
Ion Ratio Lower Upper
136 100
137 11.0 8.8 13.2
54 7.8 7.5 11.3
68 5.7 4.7 7.1





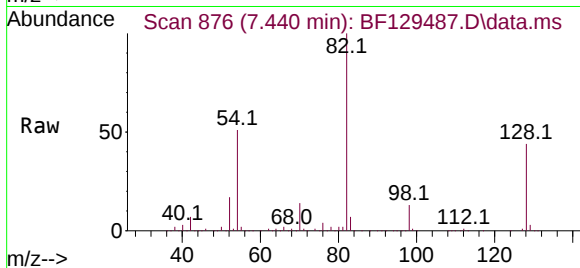
#23
Nitrobenzene-d5
Concen: 74.680 ng
RT: 7.440 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF129487.D
Acq: 01 Aug 2022 22:34

Instrument :

BNA_F

ClientSampleId :

MHB-UPPER

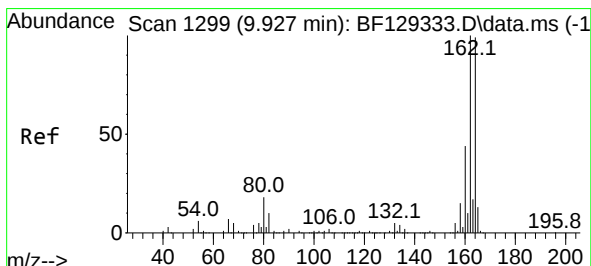
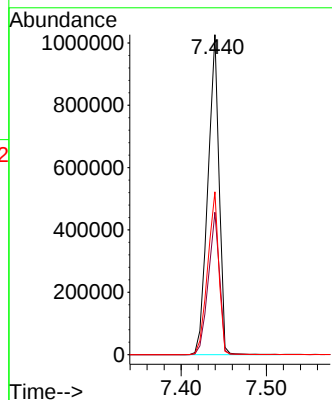
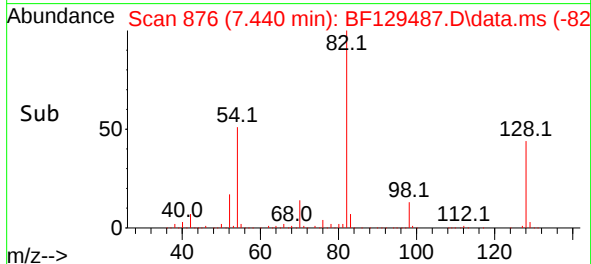


Tgt Ion: 82 Resp: 938836
Ion Ratio Lower Upper
82 100
128 44.5 34.0 51.0
54 50.9 46.9 70.3

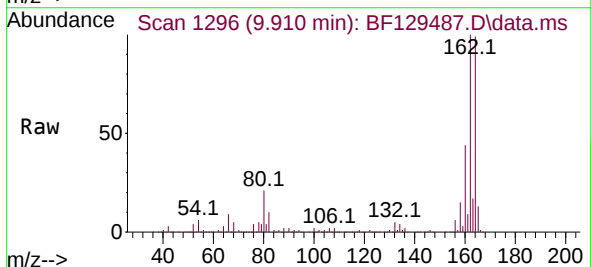
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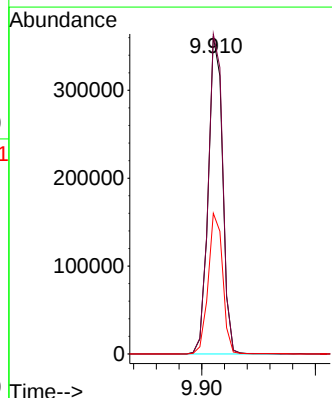
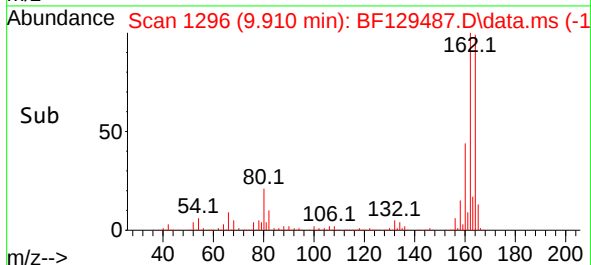
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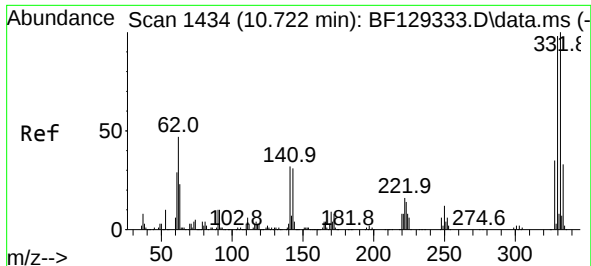


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.910 min Scan# 1296
Delta R.T. -0.006 min
Lab File: BF129487.D
Acq: 01 Aug 2022 22:34



Tgt Ion:164 Resp: 317872
Ion Ratio Lower Upper
164 100
162 100.8 79.5 119.3
160 44.3 34.2 51.4





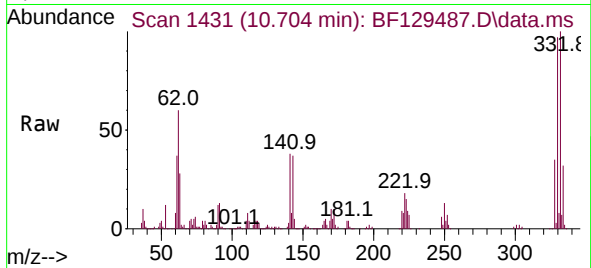
#42
2,4,6-Tribromophenol
Concen: 85.735 ng
RT: 10.704 min Scan# 1434
Delta R.T. -0.006 min
Lab File: BF129487.D
Acq: 01 Aug 2022 22:34

Instrument :

BNA_F

ClientSampleId :

MHB-UPPER

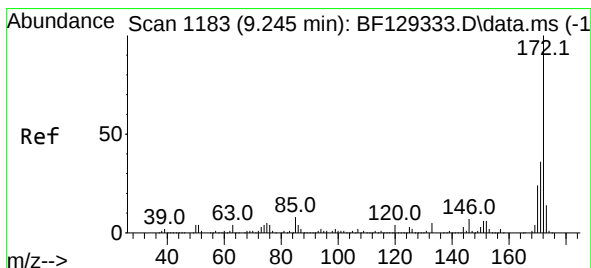
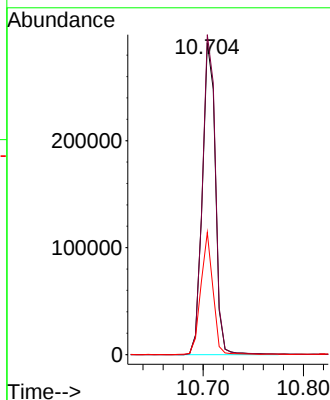
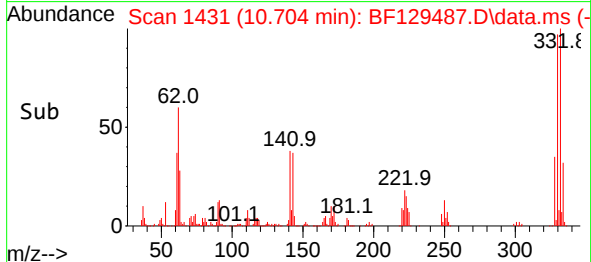


Tgt Ion:330 Resp: 262015
Ion Ratio Lower Upper
330 100
332 102.5 76.8 115.2
141 36.6 28.0 42.0

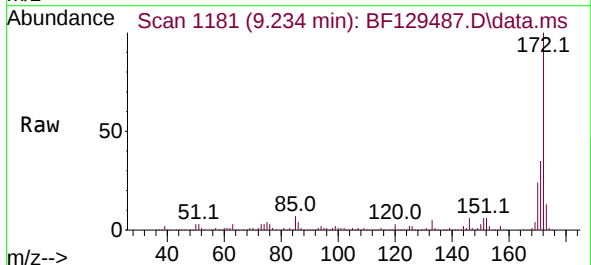
Manual Integrations

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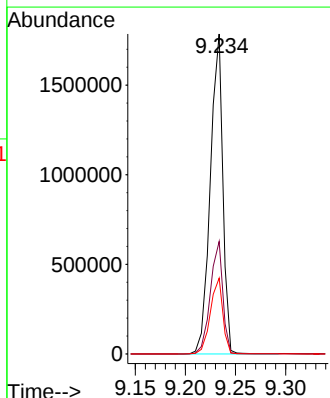
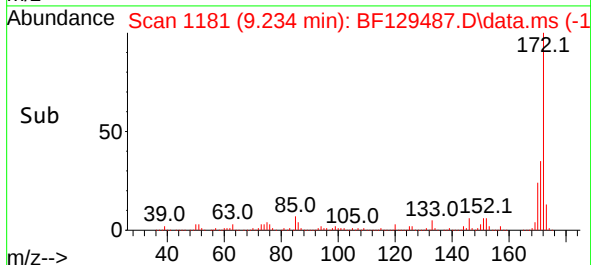
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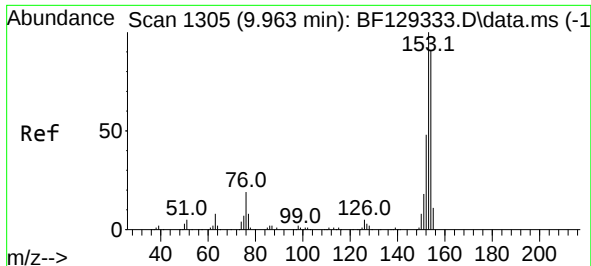


#45
2-Fluorobiphenyl
Concen: 75.237 ng
RT: 9.234 min Scan# 1181
Delta R.T. 0.000 min
Lab File: BF129487.D
Acq: 01 Aug 2022 22:34



Tgt Ion:172 Resp: 1546003
Ion Ratio Lower Upper
172 100
171 35.1 28.8 43.2
170 23.7 19.8 29.8





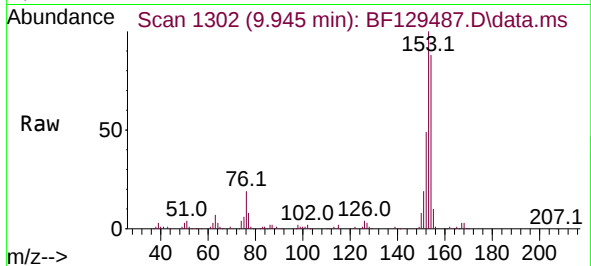
#52
Acenaphthene
Concen: 2.306 ng
RT: 9.945 min Scan# 1305
Delta R.T. -0.006 min
Lab File: BF129487.D
Acq: 01 Aug 2022 22:34

Instrument :

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ClientSampleId :

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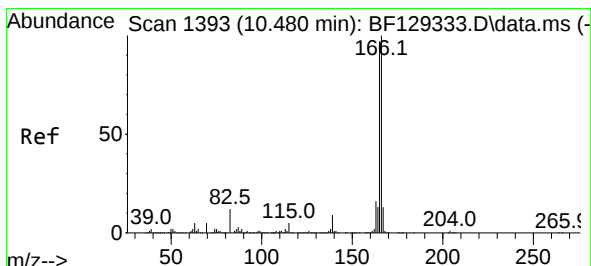
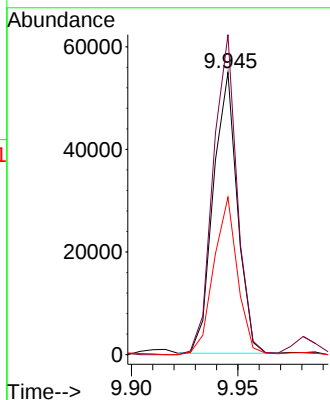
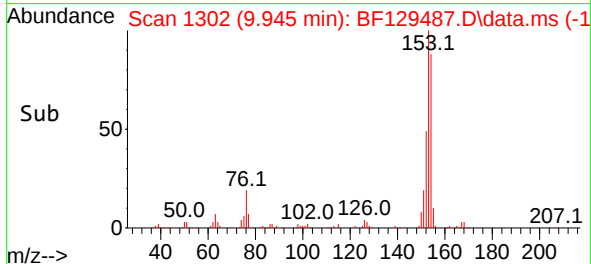


Tgt Ion:154 Resp: 42924
Ion Ratio Lower Upper
154 100
153 113.4 89.6 134.4
152 55.8 42.4 63.6

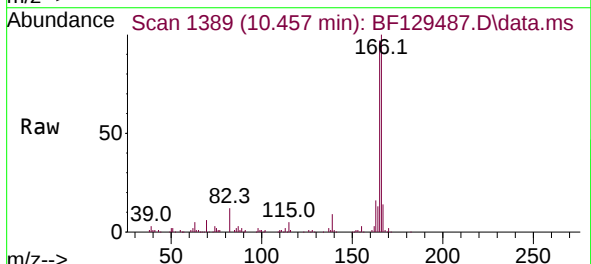
Manual Integrations

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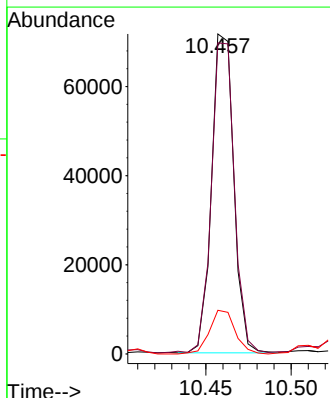
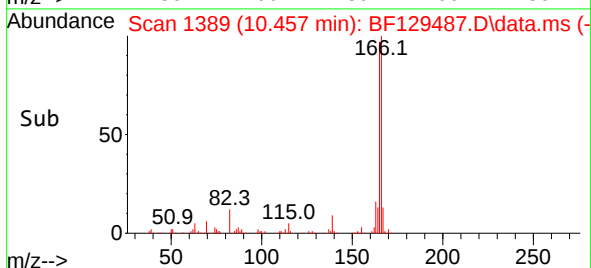
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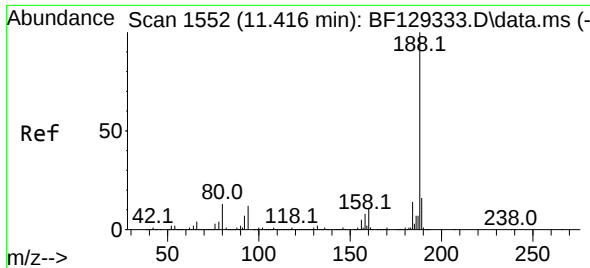


#58
Fluorene
Concen: 3.156 ng
RT: 10.457 min Scan# 1389
Delta R.T. -0.012 min
Lab File: BF129487.D
Acq: 01 Aug 2022 22:34



Tgt Ion:166 Resp: 64787
Ion Ratio Lower Upper
166 100
165 97.2 78.1 117.1
167 13.6 10.5 15.7





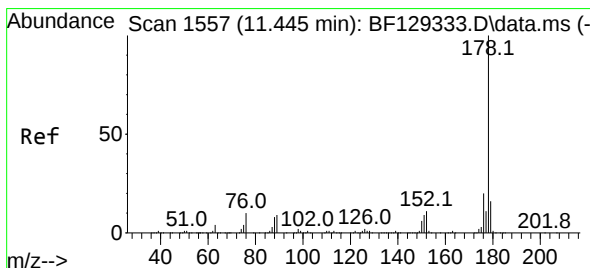
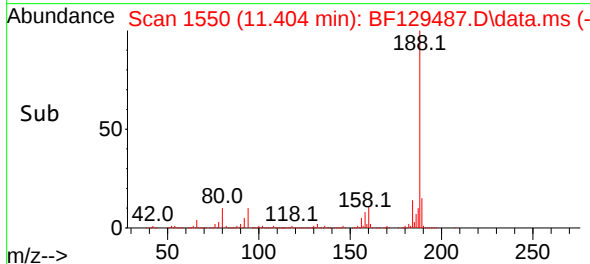
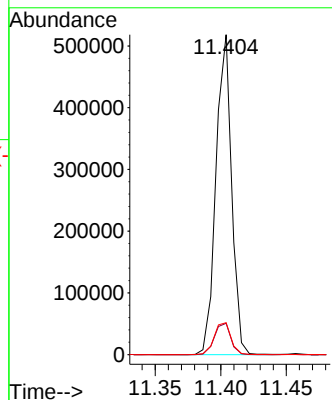
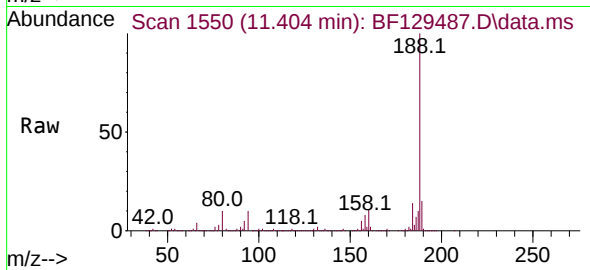
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 1552
Delta R.T. 0.000 min
Lab File: BF129487.D
Acq: 01 Aug 2022 22:34

Instrument :
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MHB-UPPER

Tgt Ion:188 Resp: 431468
Ion Ratio Lower Upper
188 100
94 9.8 7.0 10.6
80 10.0 7.6 11.4

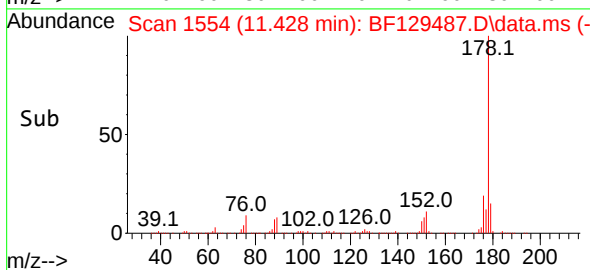
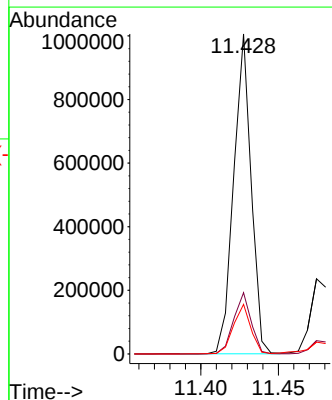
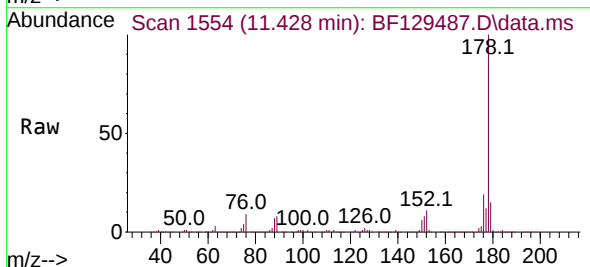
Manual Integrations
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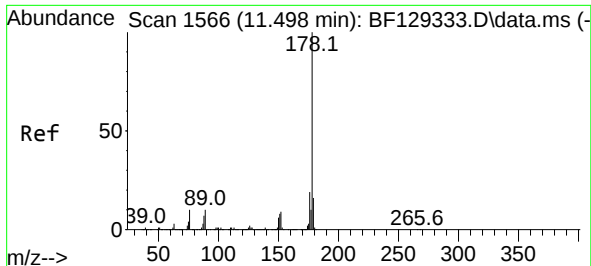
Reviewed By :Christian Giraldo 08/02/2022
Supervised By :Jagrut Upadhyay 08/02/2022



#71
Phenanthrene
Concen: 33.646 ng
RT: 11.428 min Scan# 1554
Delta R.T. -0.006 min
Lab File: BF129487.D
Acq: 01 Aug 2022 22:34

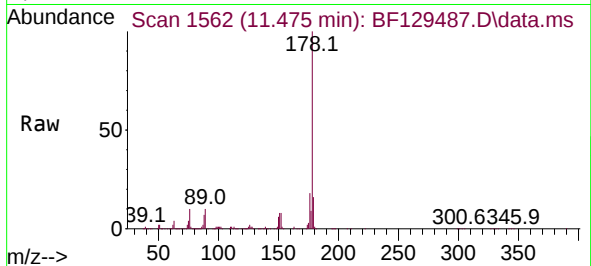
Tgt Ion:178 Resp: 792447
Ion Ratio Lower Upper
178 100
176 19.1 16.0 24.0
179 15.5 12.6 19.0





#72
 Anthracene
 Concen: 8.867 ng
 RT: 11.475 min Scan# 1562
 Delta R.T. -0.006 min
 Lab File: BF129487.D
 Acq: 01 Aug 2022 22:34

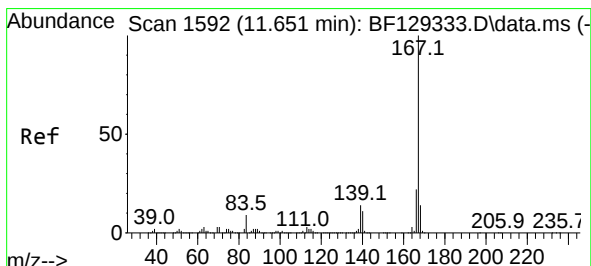
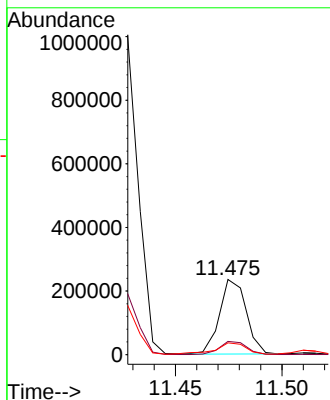
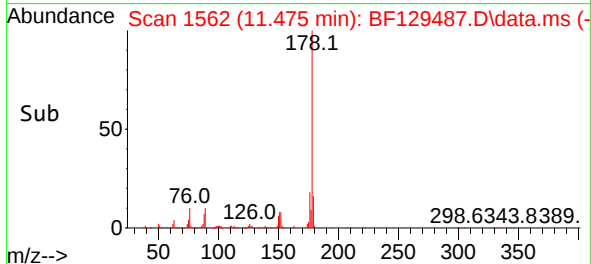
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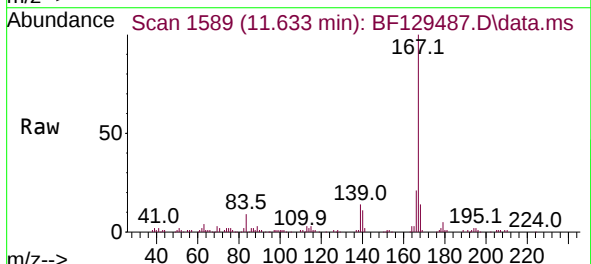
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 Ion Ratio Lower Upper
 178 100
 176 17.6 15.4 23.2
 179 15.8 12.6 19.0

Manual Integrations
 APPROVED

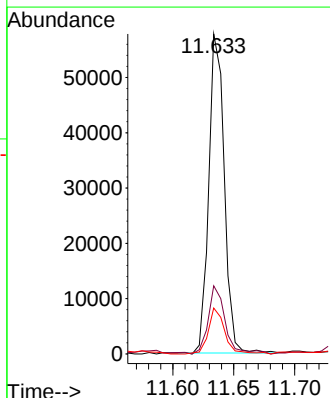
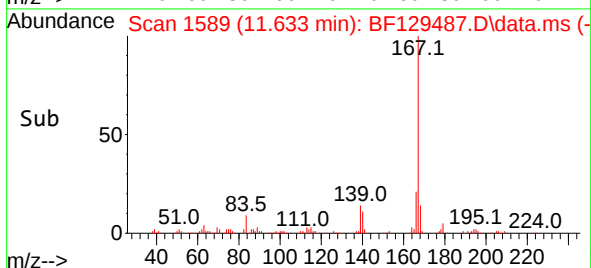
Reviewed By :Christian Giraldo 08/02/2022
 Supervised By :Jagrut Upadhyay 08/02/2022

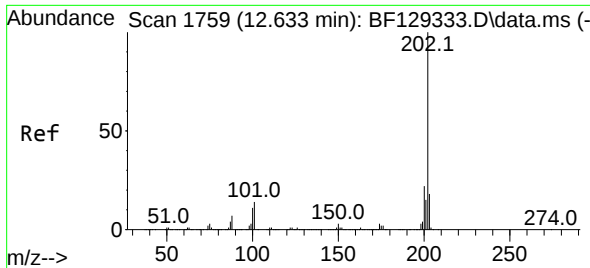


#73
 Carbazole
 Concen: 2.361 ng
 RT: 11.633 min Scan# 1589
 Delta R.T. -0.006 min
 Lab File: BF129487.D
 Acq: 01 Aug 2022 22:34



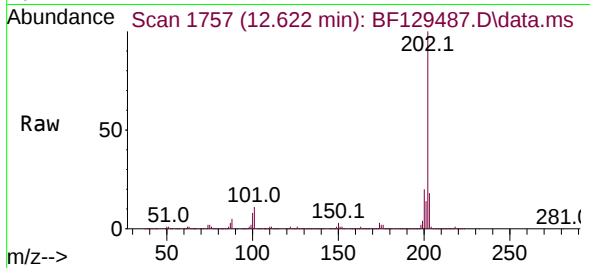
Tgt Ion:167 Resp: 51431
 Ion Ratio Lower Upper
 167 100
 166 21.3 17.7 26.5
 139 14.3 11.2 16.8





#75
Fluoranthene
Concen: 34.071 ng
RT: 12.622 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF129487.D
Acq: 01 Aug 2022 22:34

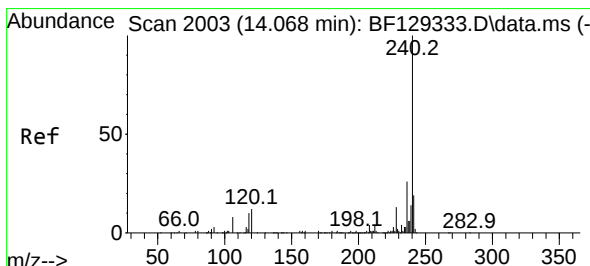
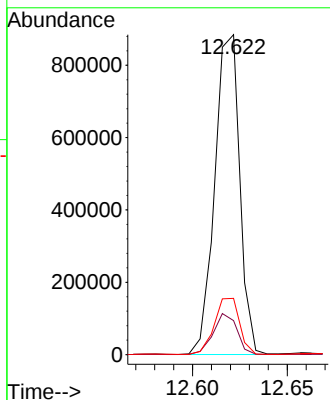
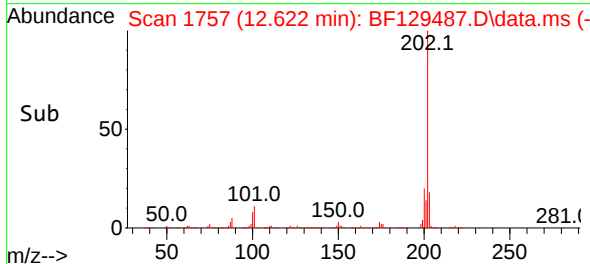
Instrument :
BNA_F
ClientSampleId :
MHB-UPPER



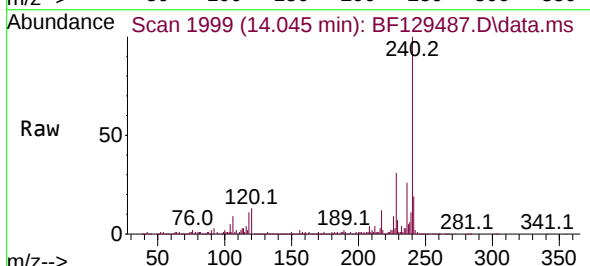
Tgt Ion:202 Resp: 813085
Ion Ratio Lower Upper
202 100
101 10.6 0.0 31.4
203 17.6 0.0 38.0

Manual Integrations
APPROVED

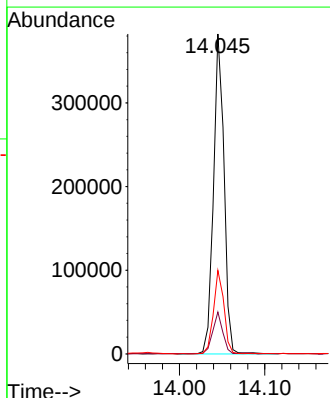
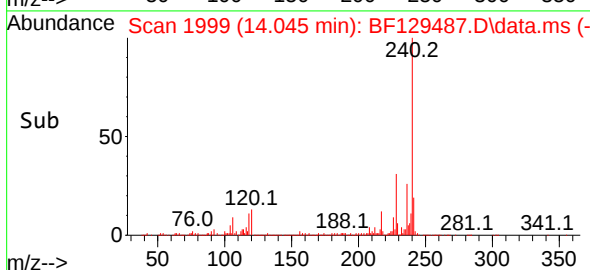
Reviewed By :Christian Giraldo 08/02/2022
Supervised By :Jagrut Upadhyay 08/02/2022

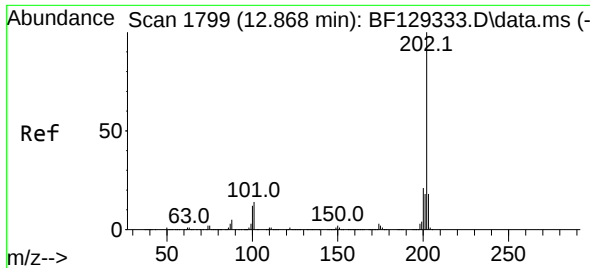


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 1999
Delta R.T. -0.006 min
Lab File: BF129487.D
Acq: 01 Aug 2022 22:34



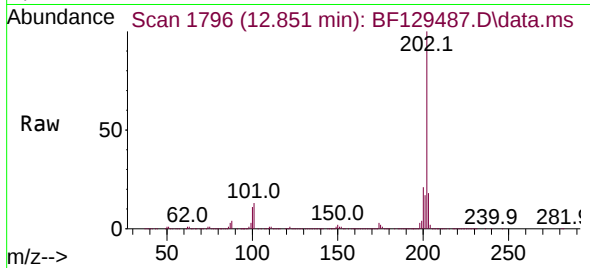
Tgt Ion:240 Resp: 328805
Ion Ratio Lower Upper
240 100
120 13.1 8.9 13.3
236 26.1 20.8 31.2





#78
Pyrene
Concen: 29.373 ng
RT: 12.851 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF129487.D
Acq: 01 Aug 2022 22:34

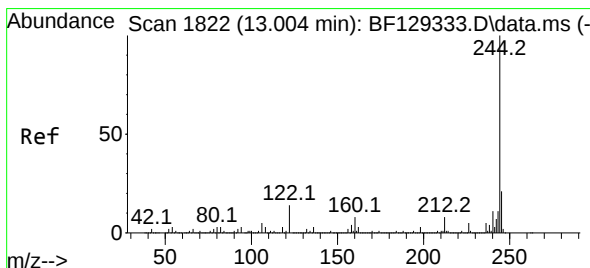
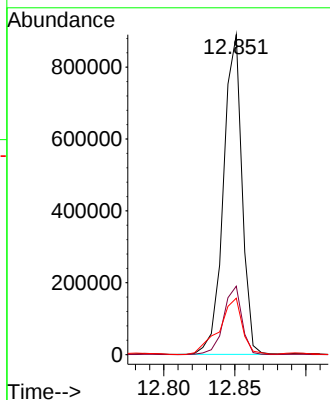
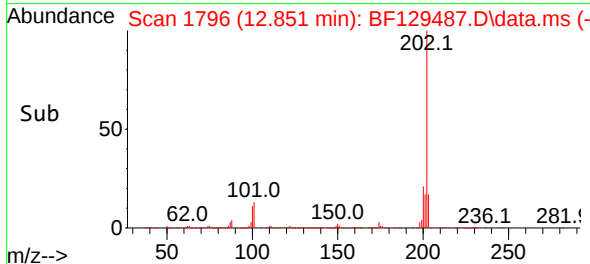
Instrument :
BNA_F
ClientSampleId :
MHB-UPPER



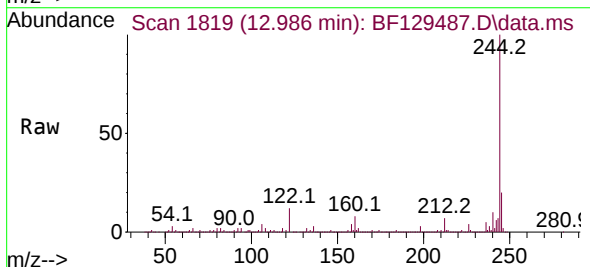
Tgt Ion:202 Resp: 807614
Ion Ratio Lower Upper
202 100
200 21.4 17.7 26.5
203 17.6 14.6 21.8

Manual Integrations
APPROVED

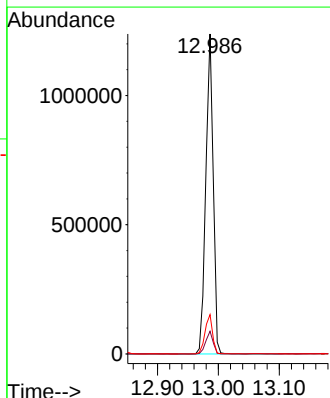
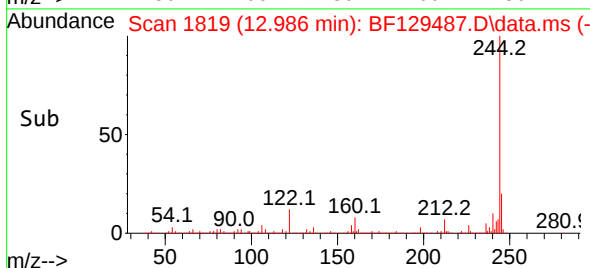
Reviewed By :Christian Giraldo 08/02/2022
Supervised By :Jagrut Upadhyay 08/02/2022

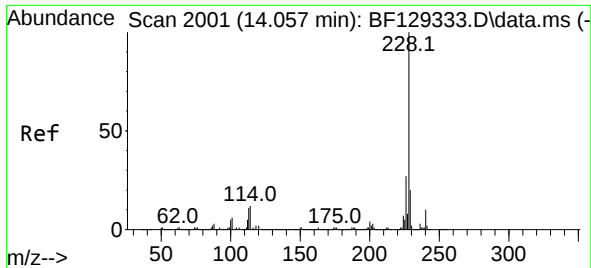


#79
Terphenyl-d14
Concen: 59.526 ng
RT: 12.986 min Scan# 1819
Delta R.T. 0.000 min
Lab File: BF129487.D
Acq: 01 Aug 2022 22:34



Tgt Ion:244 Resp: 1037465
Ion Ratio Lower Upper
244 100
212 7.1 6.1 9.1
122 12.3 8.8 13.2





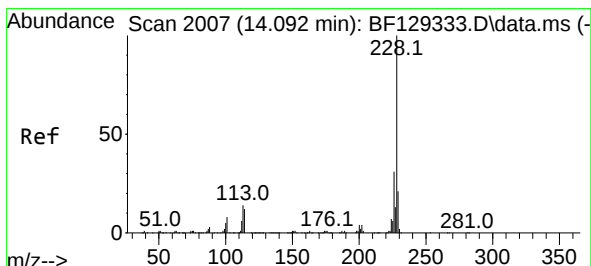
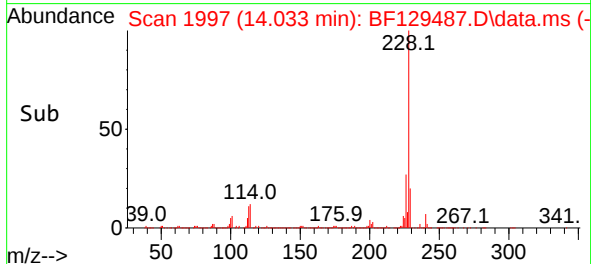
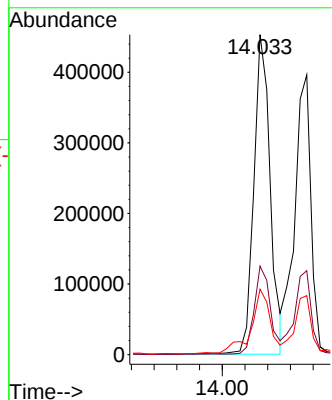
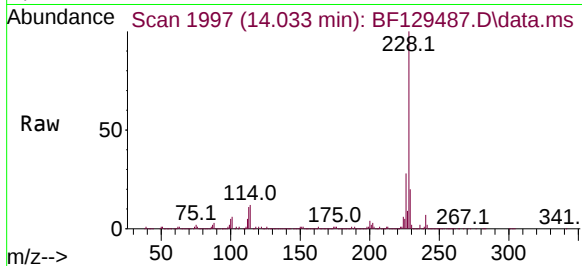
#81
Benzo(a)anthracene
Concen: 20.084 ng
RT: 14.033 min Scan# 19
Delta R.T. -0.006 min
Lab File: BF129487.D
Acq: 01 Aug 2022 22:34

Instrument :
BNA_F
ClientSampleId :
MHB-UPPER

Tgt Ion:228 Resp: 451101
Ion Ratio Lower Upper
228 100
226 27.6 22.1 33.1
229 20.4 15.8 23.8

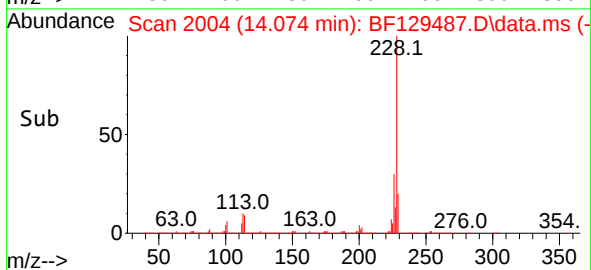
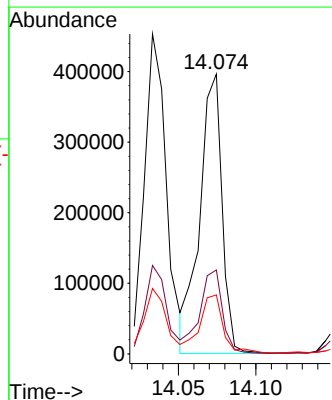
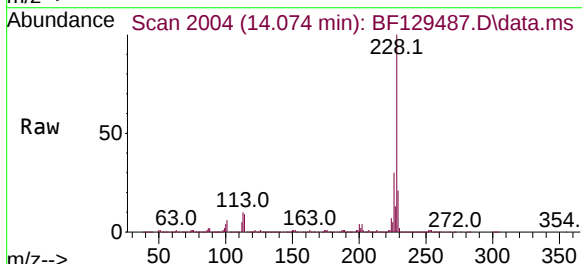
Manual Integrations
APPROVED

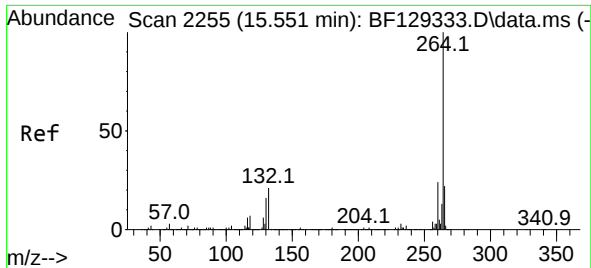
Reviewed By :Christian Giraldo 08/02/2022
Supervised By :Jagrut Upadhyay 08/02/2022



#83
Chrysene
Concen: 18.752 ng
RT: 14.074 min Scan# 2004
Delta R.T. 0.000 min
Lab File: BF129487.D
Acq: 01 Aug 2022 22:34

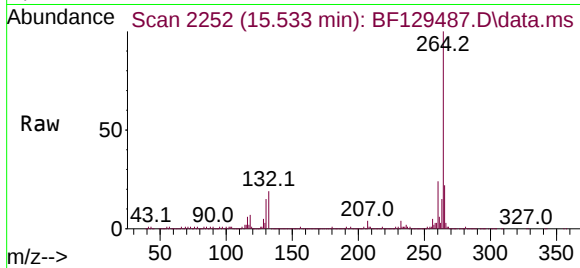
Tgt Ion:228 Resp: 396943
Ion Ratio Lower Upper
228 100
226 30.0 24.3 36.5
229 21.1 15.9 23.9





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.533 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF129487.D
Acq: 01 Aug 2022 22:34

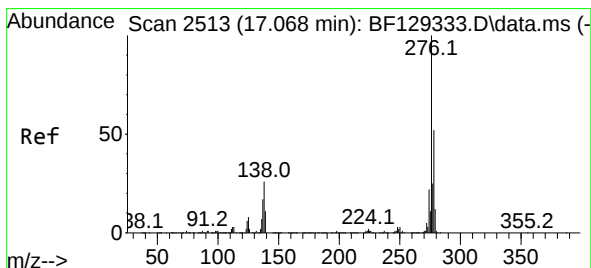
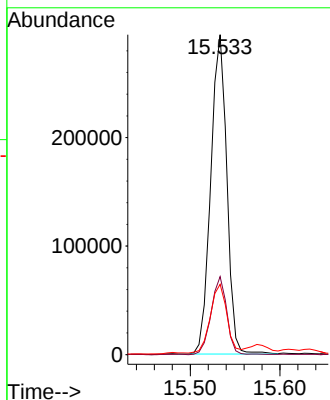
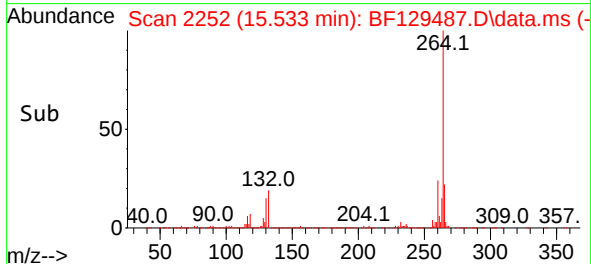
Instrument :
BNA_F
ClientSampleId :
MHB-UPPER



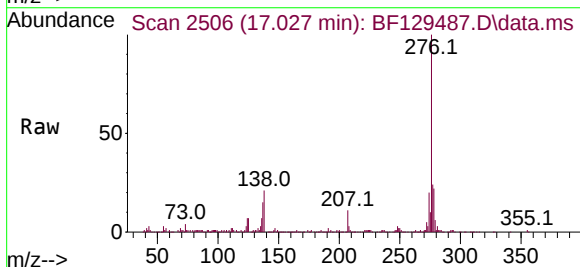
Tgt Ion:264 Resp: 369625
Ion Ratio Lower Upper
264 100
260 24.4 18.4 27.6
265 22.0 17.2 25.8

Manual Integrations
APPROVED

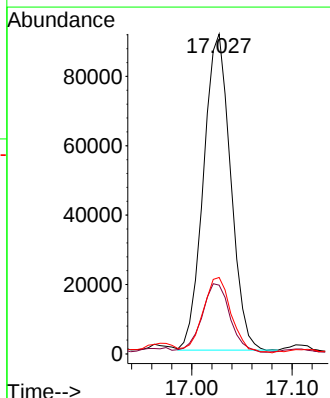
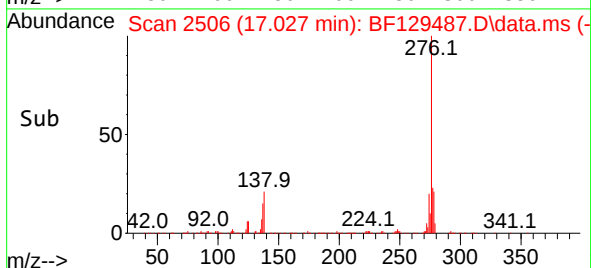
Reviewed By :Christian Giraldo 08/02/2022
Supervised By :Jagrut Upadhyay 08/02/2022

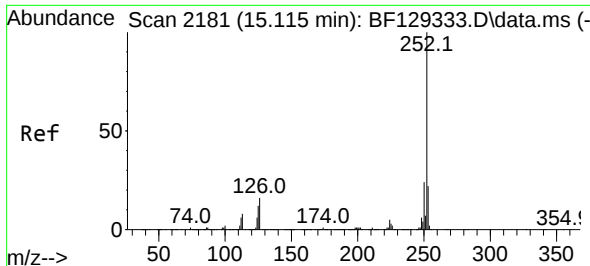


#87
Indeno(1,2,3-cd)pyrene
Concen: 6.884 ng
RT: 17.027 min Scan# 2506
Delta R.T. -0.006 min
Lab File: BF129487.D
Acq: 01 Aug 2022 22:34



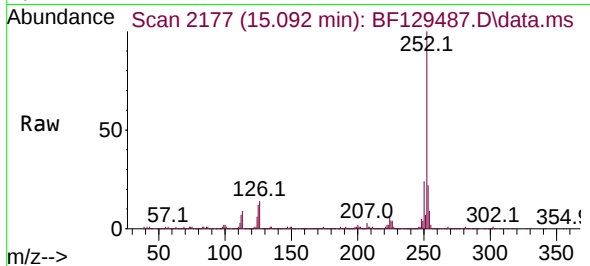
Tgt Ion:276 Resp: 171353
Ion Ratio Lower Upper
276 100
138 22.4 21.1 31.7
277 24.9 20.3 30.5





#88
Benzo(b)fluoranthene
Concen: 18.023 ng m
RT: 15.092 min Scan# 2181
Delta R.T. 0.000 min
Lab File: BF129487.D
Acq: 01 Aug 2022 22:34

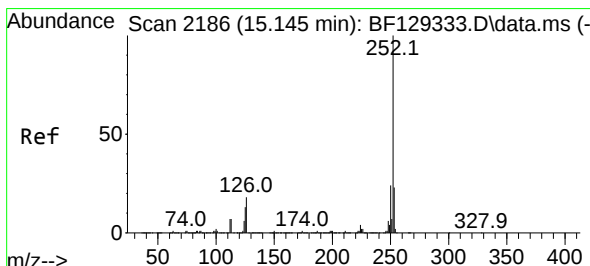
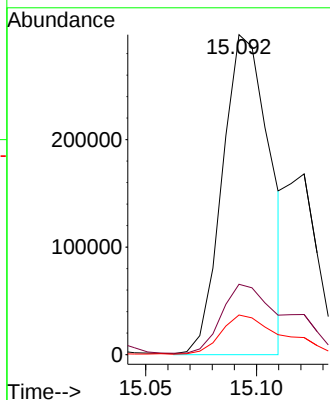
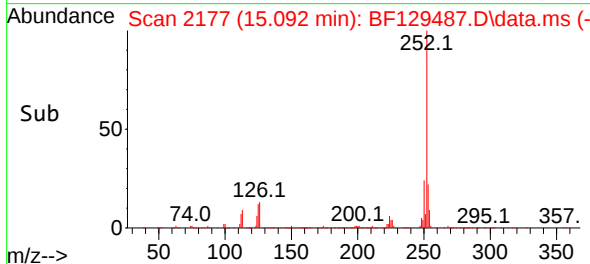
Instrument :
BNA_F
ClientSampleId :
MHB-UPPER



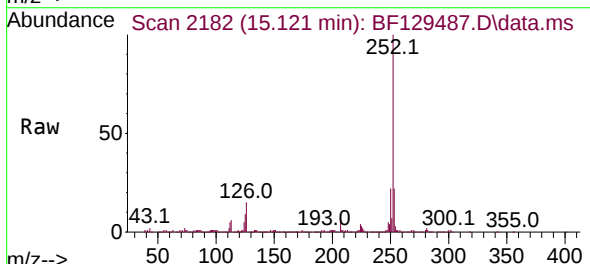
Tgt Ion:252 Resp: 441897
Ion Ratio Lower Upper
252 100
253 22.0 17.7 26.5
125 12.4 8.0 12.0

Manual Integrations
APPROVED

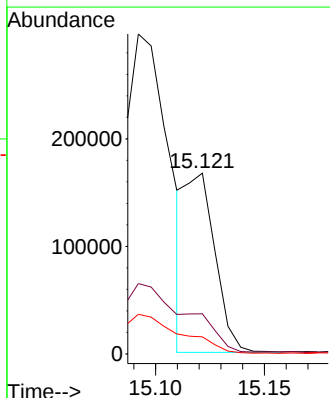
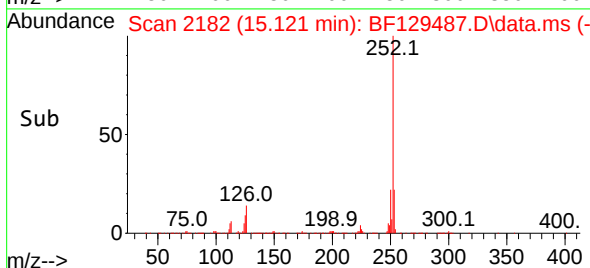
Reviewed By :Christian Giraldo 08/02/2022
Supervised By :Jagrut Upadhyay 08/02/2022

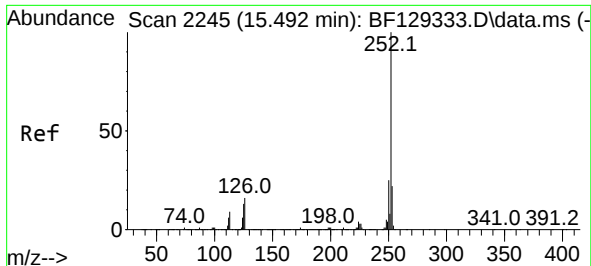


#89
Benzo(k)fluoranthene
Concen: 6.599 ng m
RT: 15.121 min Scan# 2182
Delta R.T. 0.000 min
Lab File: BF129487.D
Acq: 01 Aug 2022 22:34



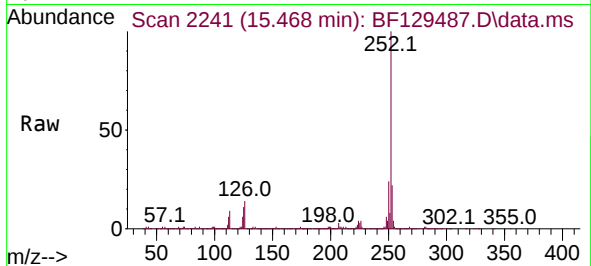
Tgt Ion:252 Resp: 158549
Ion Ratio Lower Upper
252 100
253 22.2 17.8 26.6
125 9.4 8.3 12.5





#90
Benzo(a)pyrene
Concen: 17.727 ng
RT: 15.468 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF129487.D
Acq: 01 Aug 2022 22:34

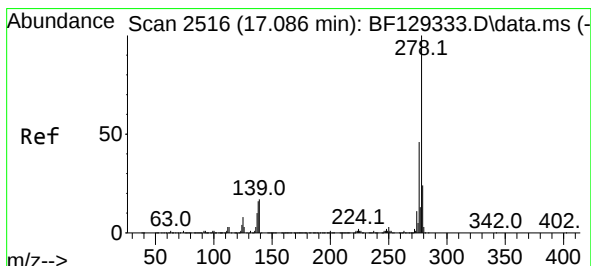
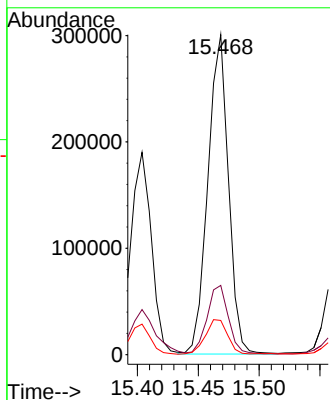
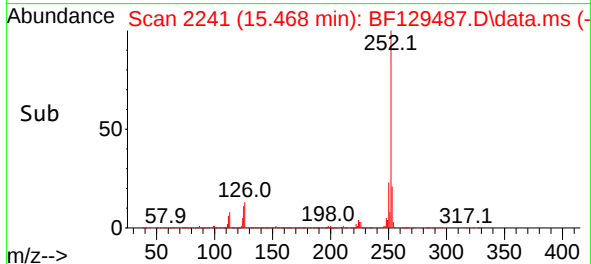
Instrument :
BNA_F
ClientSampleId :
MHB-UPPER



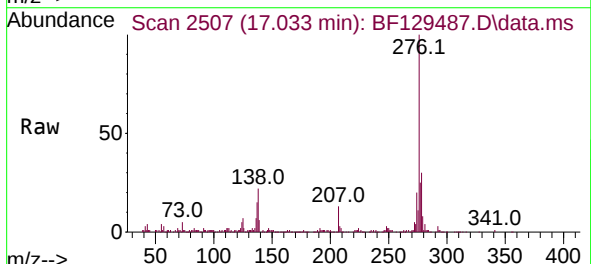
Tgt Ion:252 Resp: 35283
Ion Ratio Lower Upper
252 100
253 21.6 17.0 25.6
125 10.7 8.8 13.2

Manual Integrations
APPROVED

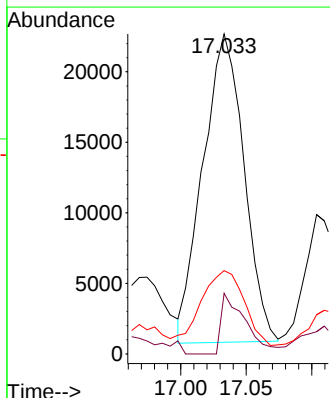
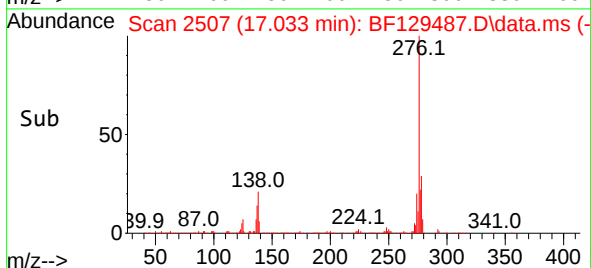
Reviewed By :Christian Giraldo 08/02/2022
Supervised By :Jagrut Upadhyay 08/02/2022

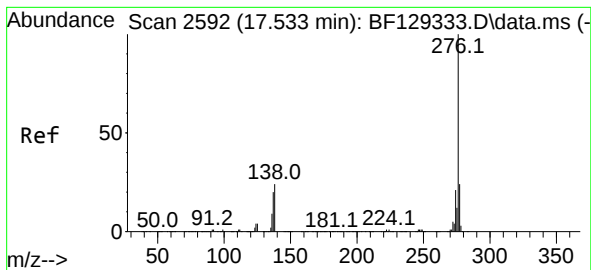


#91
Dibenzo(a,h)anthracene
Concen: 2.352 ng
RT: 17.033 min Scan# 2507
Delta R.T. -0.012 min
Lab File: BF129487.D
Acq: 01 Aug 2022 22:34



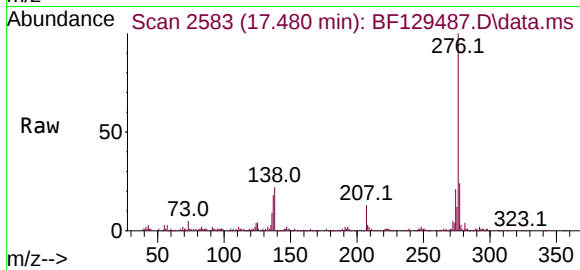
Tgt Ion:278 Resp: 47653
Ion Ratio Lower Upper
278 100
139 18.9 12.8 19.2
279 26.0 18.6 28.0





#92
 Benzo(g,h,i)perylene
 Concen: 7.643 ng
 RT: 17.480 min Scan# 2583
 Delta R.T. -0.012 min
 Lab File: BF129487.D
 Acq: 01 Aug 2022 22:34

Instrument :
 BNA_F
 ClientSampleId :
 MHB-UPPER



Tgt Ion: 276 Resp: 158229
 Ion Ratio Lower Upper
 276 100
 277 24.1 19.1 28.7
 138 22.4 18.0 27.0

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 08/02/2022
 Supervised By : Jagrut Upadhyay 08/02/2022

