

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080822\
 Data File : BF129655.D
 Acq On : 09 Aug 2022 04:24
 Operator : CG\JU
 Sample : N4068-01
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 BU-02-080522

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 08/09/2022
 Supervised By : Jagrut Upadhyay 08/09/2022

Quant Time: Aug 09 04:45:26 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF072522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 05 16:27:34 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.840	152	143064	20.000	ng	-0.01
21) Naphthalene-d8	8.122	136	512214	20.000	ng	-0.01
39) Acenaphthene-d10	9.880	164	217994	20.000	ng	-0.01
64) Phenanthrene-d10	11.369	188	330648	20.000	ng	-0.01
76) Chrysene-d12	14.021	240	248401	20.000	ng	0.00
86) Perylene-d12	15.498	264	180698	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.475	112	890912	101.444	ng	0.00
7) Phenol-d6	6.492	99	1062496	96.251	ng	-0.01
23) Nitrobenzene-d5	7.404	82	659327	70.267	ng	-0.02
42) 2,4,6-Tribromophenol	10.675	330	194704	92.900	ng	-0.01
45) 2-Fluorobiphenyl	9.198	172	1089907	77.343	ng	-0.01
79) Terphenyl-d14	12.957	244	1022219	77.636	ng	-0.01
Target Compounds						Qvalue
49) Acenaphthylene	9.739	152	144407	7.389	ng	98
58) Fluorene	10.428	166	52123	3.702	ng	98
71) Phenanthrene	11.398	178	800464	44.349	ng	99
72) Anthracene	11.445	178	178393	10.058	ng	97
73) Carbazole	11.604	167	61455	3.681	ng	99
75) Fluoranthene	12.592	202	1148156	62.782	ng	99
78) Pyrene	12.821	202	1203122	57.920	ng	99
81) Benzo(a)anthracene	14.010	228	508467	29.966	ng	95
83) Chrysene	14.045	228	513712	32.123	ng	98
87) Indeno(1,2,3-cd)pyrene	16.980	276	204148	16.777	ng	96
88) Benzo(b)fluoranthene	15.068	252	510889m	42.623	ng	
89) Benzo(k)fluoranthene	15.092	252	131220m	11.171	ng	
90) Benzo(a)pyrene	15.433	252	355177	36.503	ng	96
91) Dibenzo(a,h)anthracene	16.986	278	66622	6.727	ng	# 85
92) Benzo(g,h,i)perylene	17.439	276	215418	21.286	ng	99

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

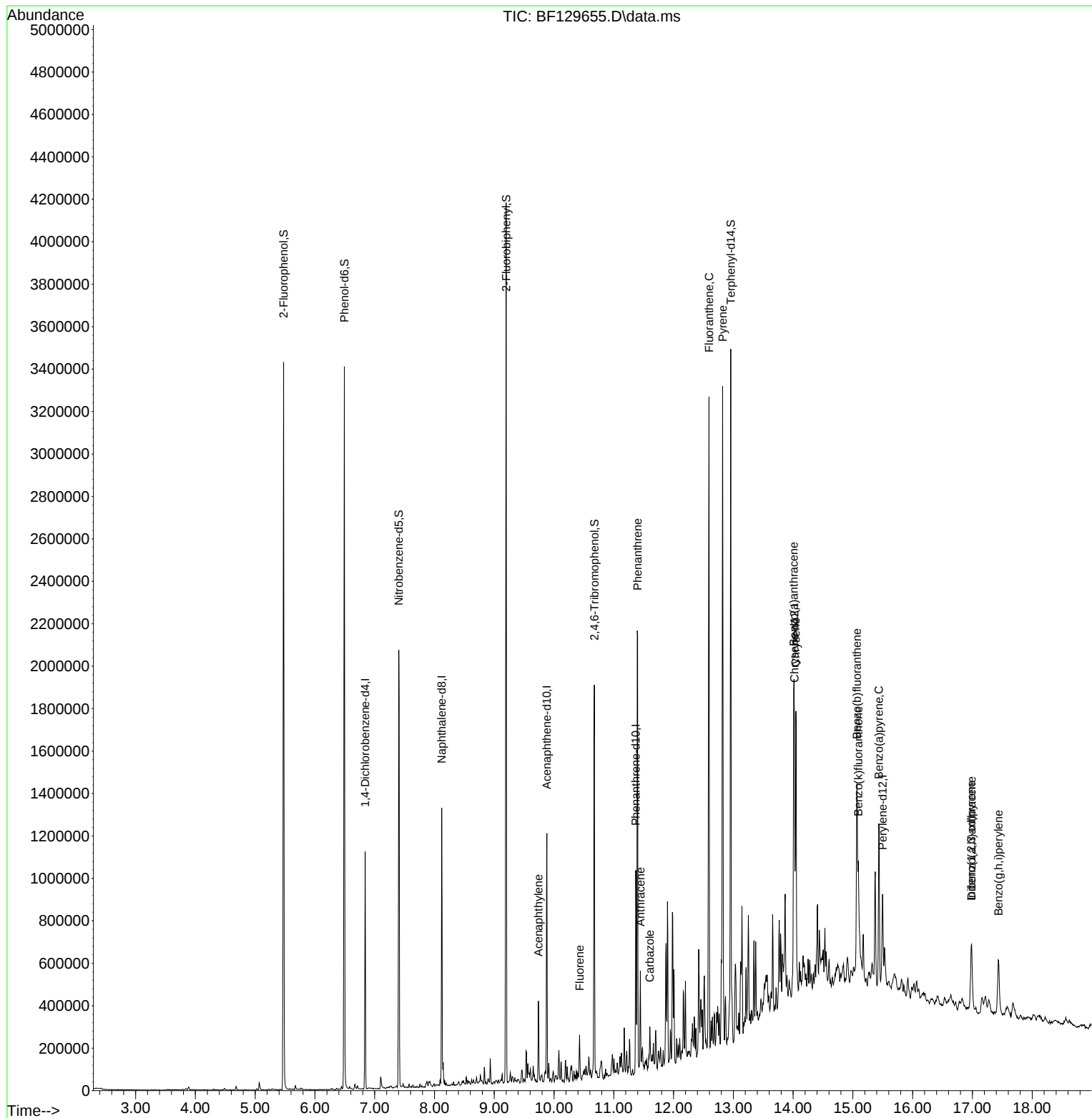
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080822\
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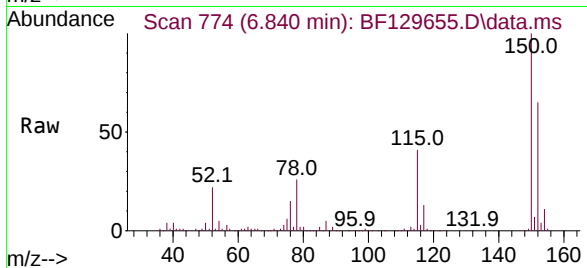
Reviewed By :Christian Giraldo 08/09/2022
Supervised By :Jagrut Upadhyay 08/09/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.840 min Scan# 71
Delta R.T. -0.011 min
Lab File: BF129655.D
Acq: 09 Aug 2022 04:24

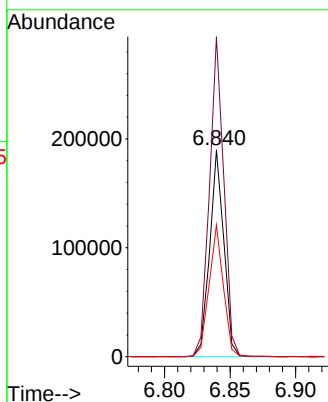
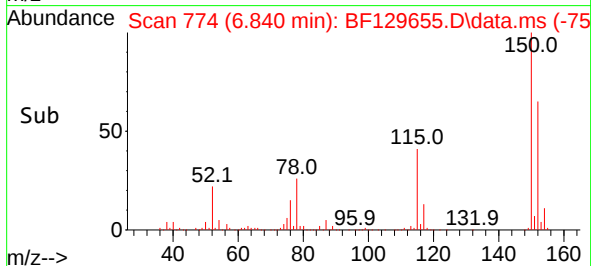
Instrument :
BNA_F
ClientSampleId :
BU-02-080522



Tgt Ion:152 Resp: 143064
Ion Ratio Lower Upper
152 100
150 154.7 123.7 185.5
115 63.6 49.9 74.9

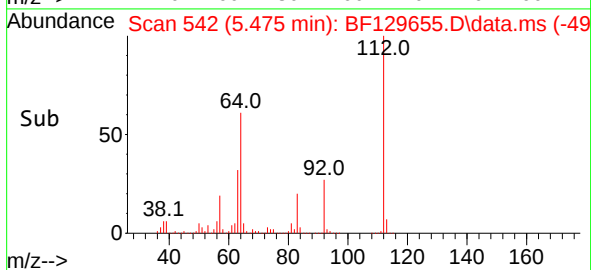
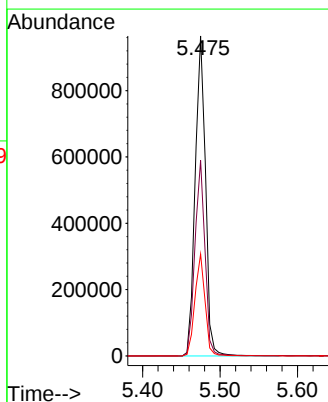
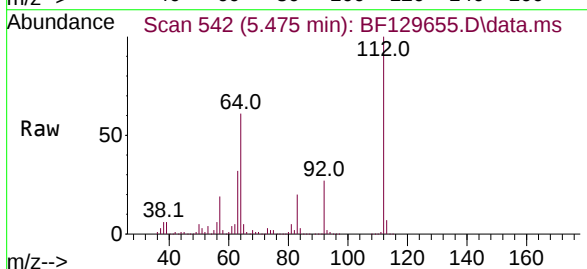
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#5
2-Fluorophenol
Concen: 101.444 ng
RT: 5.475 min Scan# 542
Delta R.T. -0.006 min
Lab File: BF129655.D
Acq: 09 Aug 2022 04:24

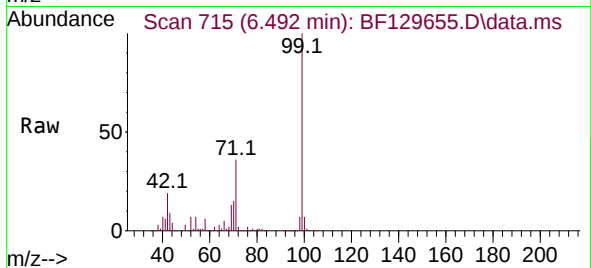
Tgt Ion:112 Resp: 890912
Ion Ratio Lower Upper
112 100
64 61.1 53.3 79.9
63 31.8 28.0 42.0





#7
Phenol-d6
Concen: 96.251 ng
RT: 6.492 min Scan# 719
Delta R.T. -0.012 min
Lab File: BF129655.D
Acq: 09 Aug 2022 04:24

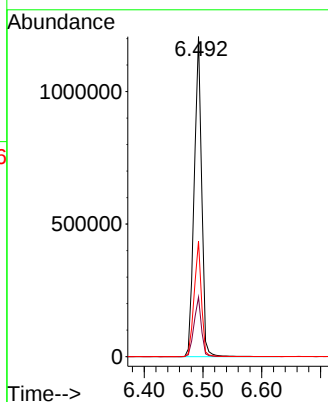
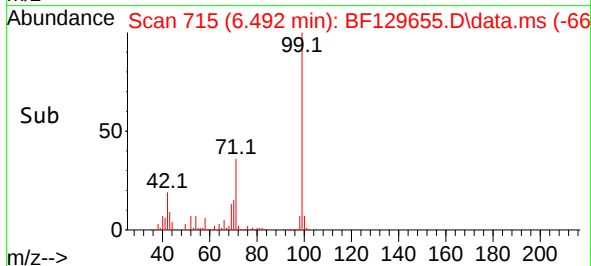
Instrument :
BNA_F
ClientSampleId :
BU-02-080522



Tgt Ion: 99 Resp: 1062496
Ion Ratio Lower Upper
99 100
42 18.6 17.3 25.9
71 36.0 28.9 43.3

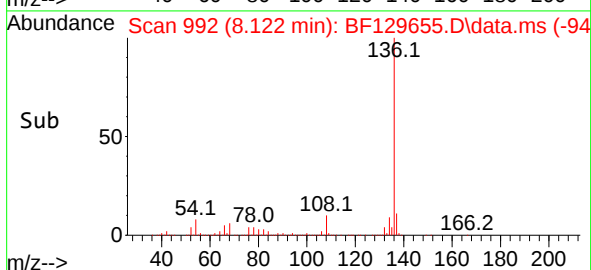
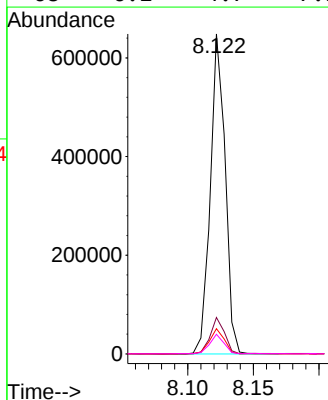
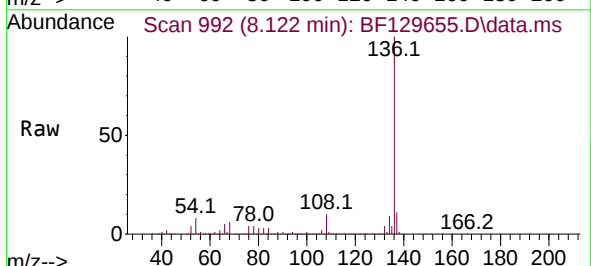
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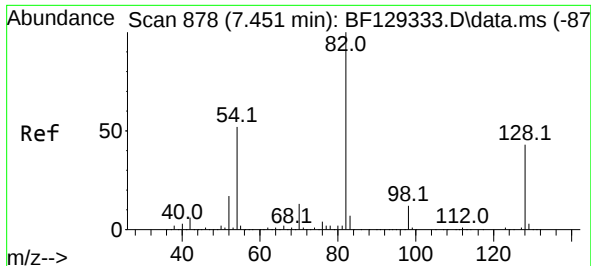
Reviewed By :Christian Giraldo 08/09/2022
Supervised By :Jagrut Upadhyay 08/09/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.122 min Scan# 992
Delta R.T. -0.012 min
Lab File: BF129655.D
Acq: 09 Aug 2022 04:24

Tgt Ion:136 Resp: 512214
Ion Ratio Lower Upper
136 100
137 11.4 8.8 13.2
54 7.9 7.5 11.3
68 6.2 4.7 7.1





#23

Nitrobenzene-d5

Concen: 70.267 ng

RT: 7.404 min Scan# 81

Delta R.T. -0.018 min

Lab File: BF129655.D

Acq: 09 Aug 2022 04:24

Instrument :

BNA_F

ClientSampleId :

BU-02-080522

Tgt Ion: 82 Resp: 65932

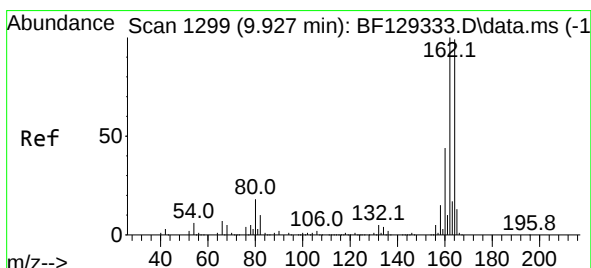
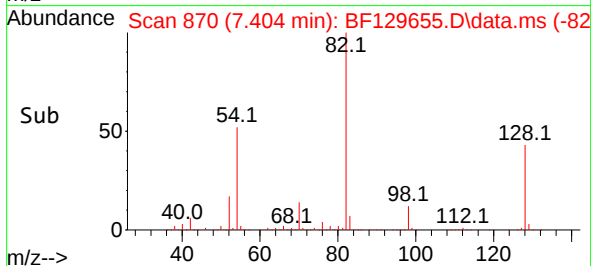
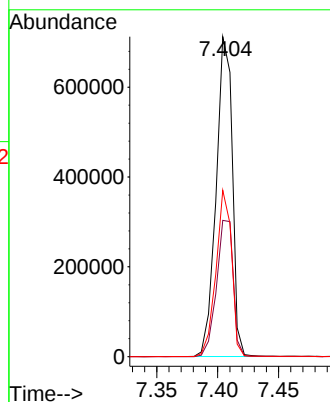
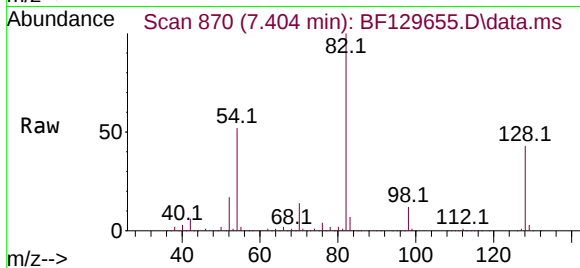
Ion	Ratio	Lower	Upper
82	100		
128	42.6	34.0	51.0
54	52.0	46.9	70.3

Manual Integrations

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.880 min Scan# 1291

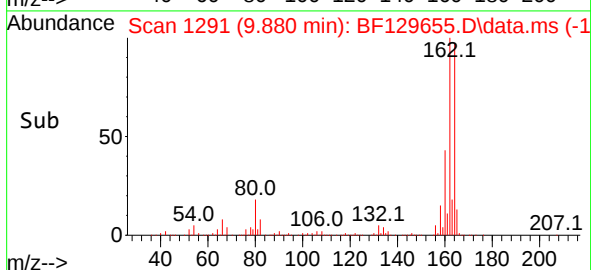
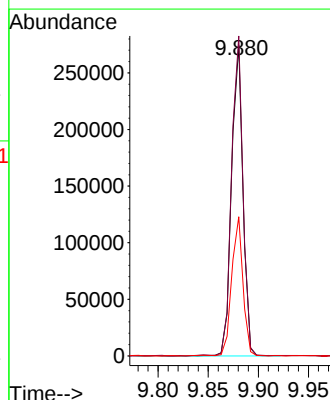
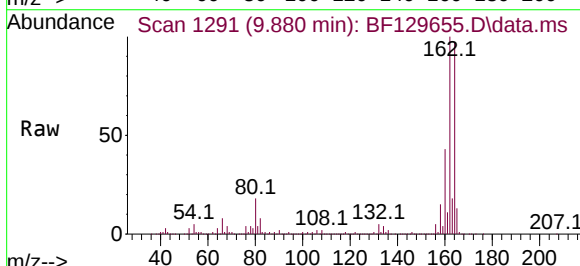
Delta R.T. -0.012 min

Lab File: BF129655.D

Acq: 09 Aug 2022 04:24

Tgt Ion:164 Resp: 217994

Ion	Ratio	Lower	Upper
164	100		
162	103.1	79.5	119.3
160	44.8	34.2	51.4





#42
2,4,6-Tribromophenol
Concen: 92.900 ng
RT: 10.675 min Scan# 1434
Delta R.T. -0.012 min
Lab File: BF129655.D
Acq: 09 Aug 2022 04:24

Instrument :

BNA_F

ClientSampleId :

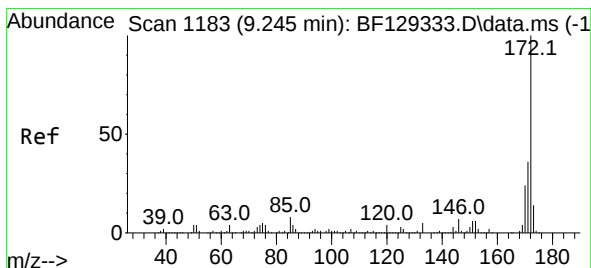
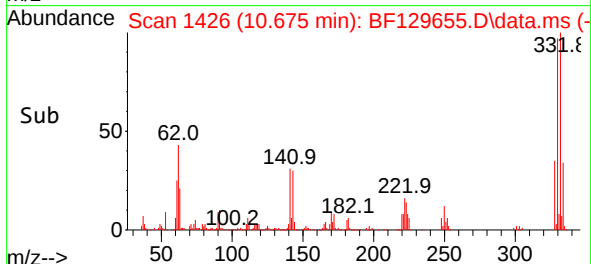
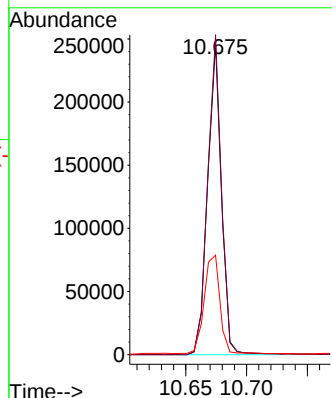
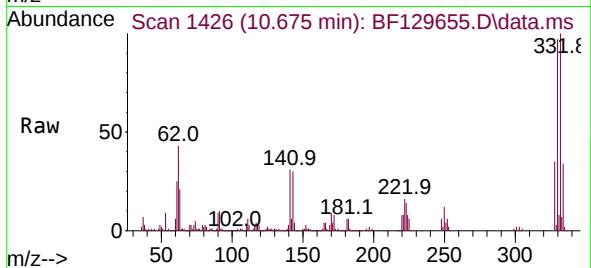
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Tgt Ion: 330 Resp: 194704
Ion Ratio Lower Upper
330 100
332 103.3 76.8 115.2
141 37.1 28.0 42.0

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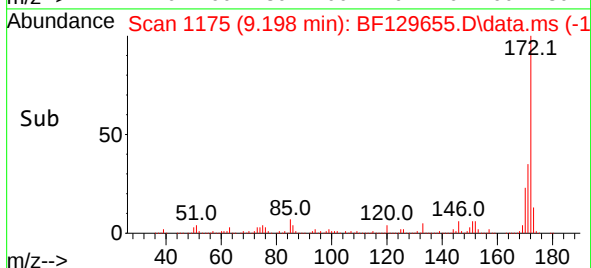
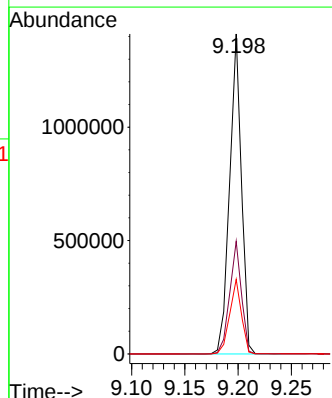
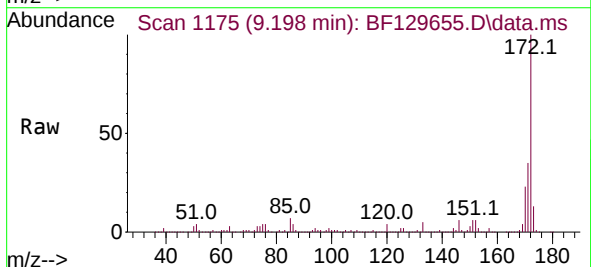
APPROVED

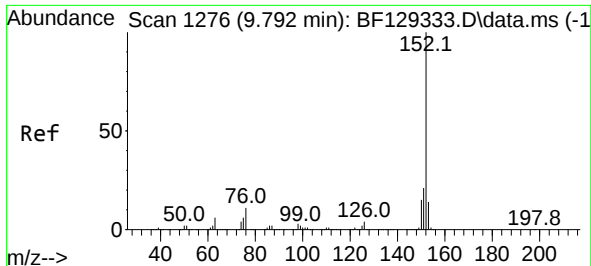
Reviewed By : Christian Giraldo 08/09/2022
Supervised By : Jagrut Upadhyay 08/09/2022



#45
2-Fluorobiphenyl
Concen: 77.343 ng
RT: 9.198 min Scan# 1175
Delta R.T. -0.012 min
Lab File: BF129655.D
Acq: 09 Aug 2022 04:24

Tgt Ion: 172 Resp: 1089907
Ion Ratio Lower Upper
172 100
171 35.2 28.8 43.2
170 23.3 19.8 29.8





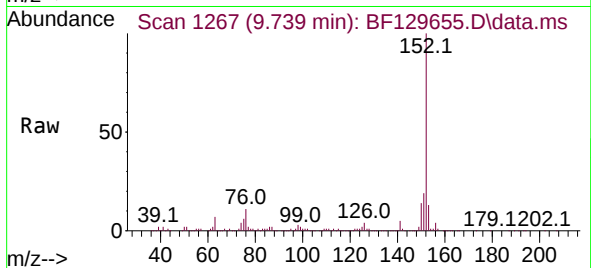
#49
Acenaphthylene
Concen: 7.389 ng
RT: 9.739 min Scan# 11
Delta R.T. -0.018 min
Lab File: BF129655.D
Acq: 09 Aug 2022 04:24

Instrument :

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ClientSampleId :

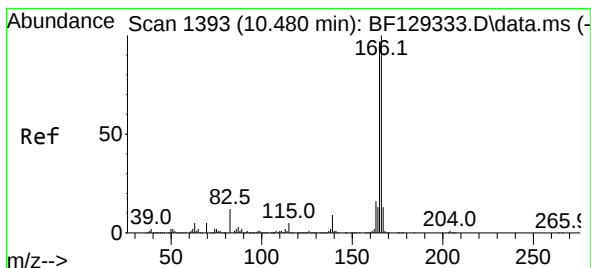
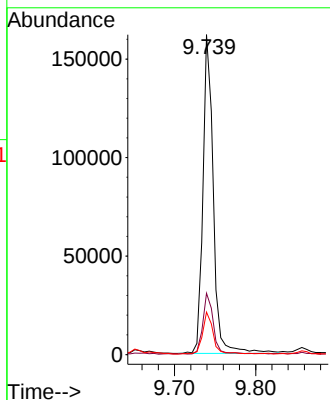
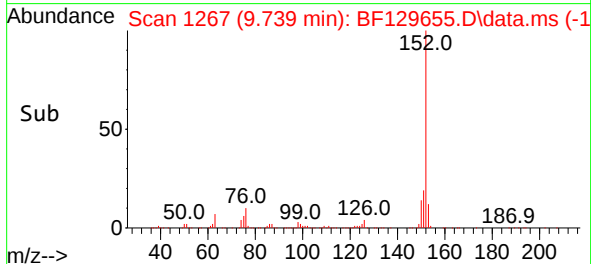
BU-02-080522



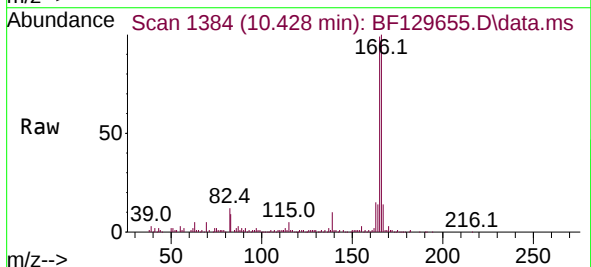
Tgt Ion:152 Resp: 14440
Ion Ratio Lower Upper
152 100
151 19.2 16.2 24.4
153 13.3 10.7 16.1

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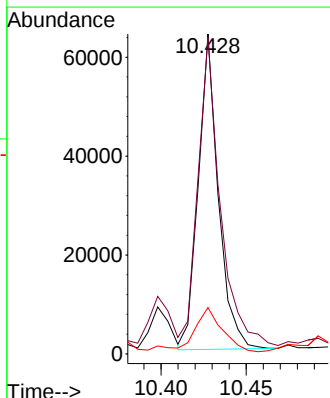
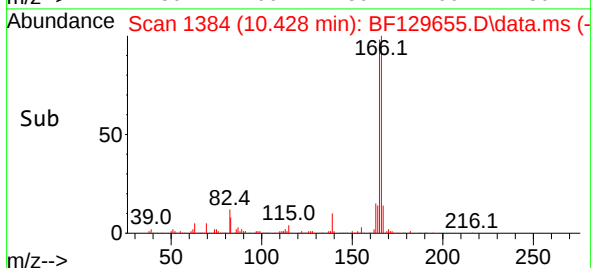
Reviewed By :Christian Giraldo 08/09/2022
Supervised By :Jagrut Upadhyay 08/09/2022

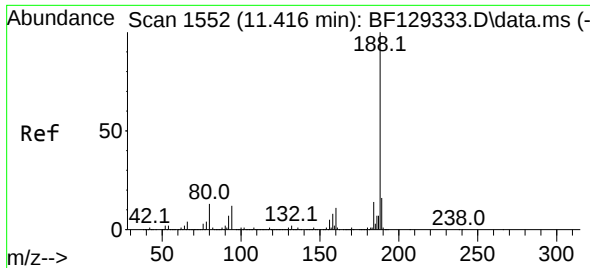


#58
Fluorene
Concen: 3.702 ng
RT: 10.428 min Scan# 1384
Delta R.T. -0.018 min
Lab File: BF129655.D
Acq: 09 Aug 2022 04:24



Tgt Ion:166 Resp: 52123
Ion Ratio Lower Upper
166 100
165 98.9 78.1 117.1
167 14.5 10.5 15.7





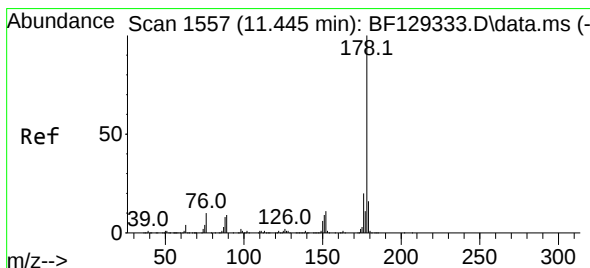
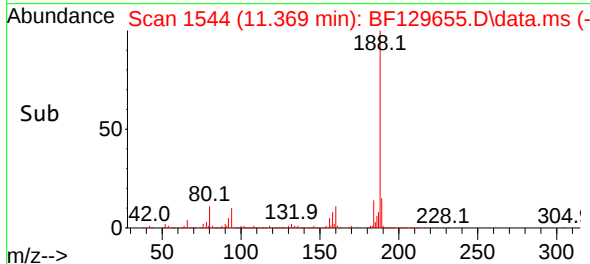
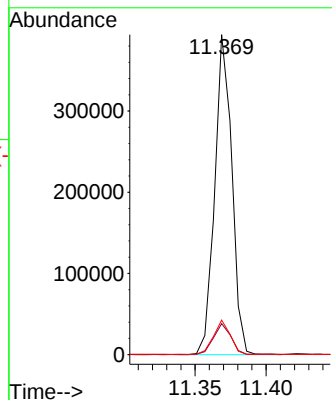
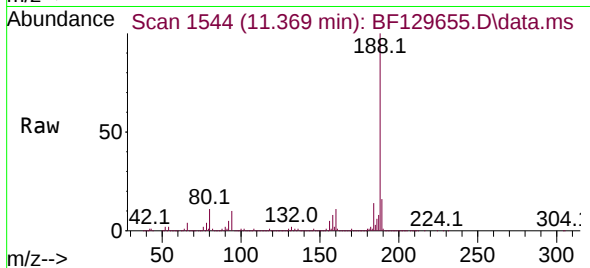
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.369 min Scan# 1544
Delta R.T. -0.012 min
Lab File: BF129655.D
Acq: 09 Aug 2022 04:24

Instrument :
BNA_F
ClientSampleId :
BU-02-080522

Tgt Ion:188 Resp: 330648
Ion Ratio Lower Upper
188 100
94 9.7 7.0 10.6
80 10.8 7.6 11.4

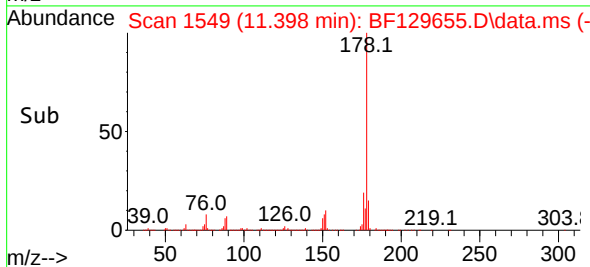
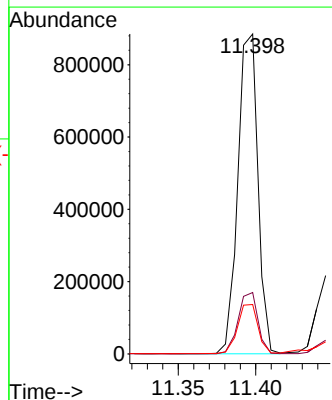
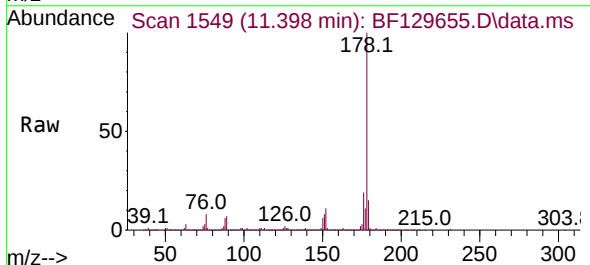
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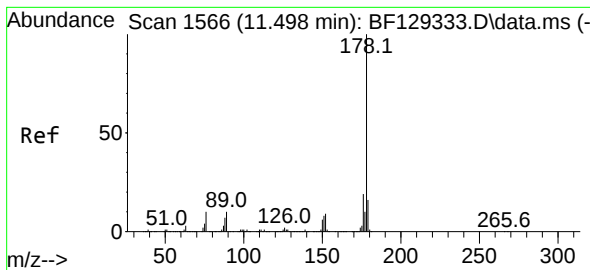
Reviewed By :Christian Giraldo 08/09/2022
Supervised By :Jagrut Upadhyay 08/09/2022



#71
Phenanthrene
Concen: 44.349 ng
RT: 11.398 min Scan# 1549
Delta R.T. -0.012 min
Lab File: BF129655.D
Acq: 09 Aug 2022 04:24

Tgt Ion:178 Resp: 800464
Ion Ratio Lower Upper
178 100
176 19.2 16.0 24.0
179 15.4 12.6 19.0





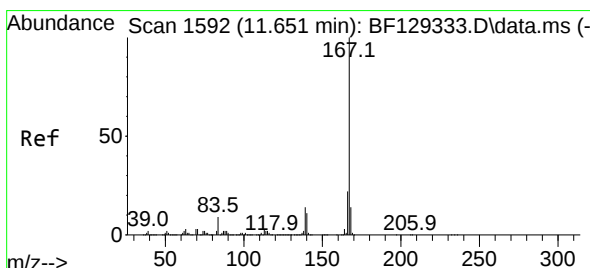
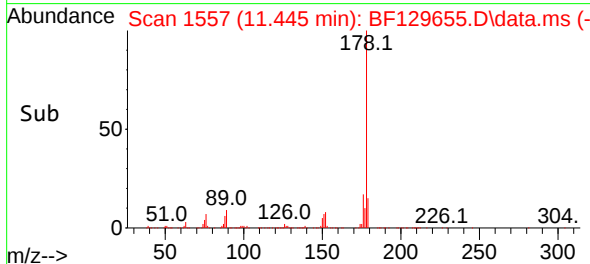
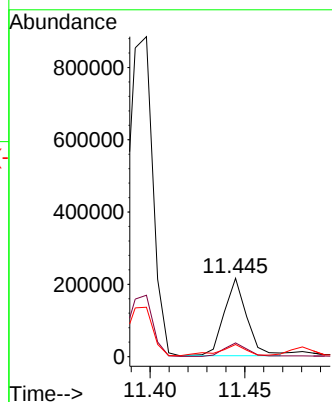
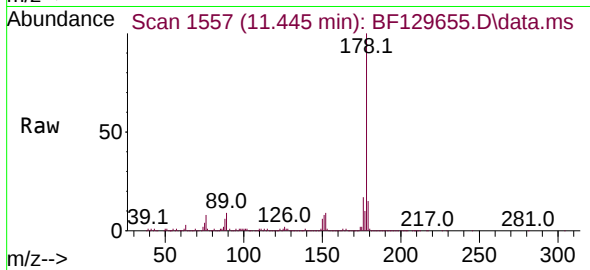
#72
 Anthracene
 Concen: 10.058 ng
 RT: 11.445 min Scan# 11
 Delta R.T. -0.018 min
 Lab File: BF129655.D
 Acq: 09 Aug 2022 04:24

Instrument :
 BNA_F
 ClientSampleId :
 BU-02-080522

Tgt Ion:178 Resp: 178393
 Ion Ratio Lower Upper
 178 100
 176 17.4 15.4 23.2
 179 15.4 12.6 19.0

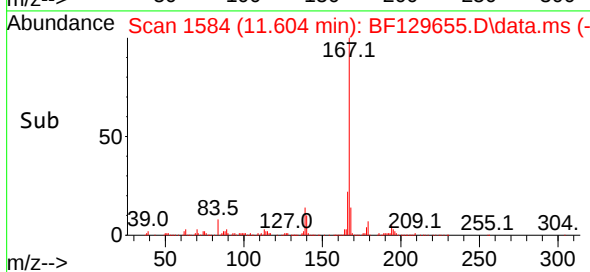
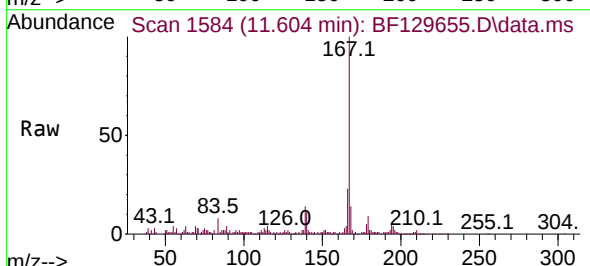
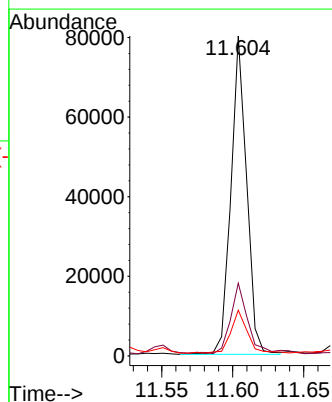
Manual Integrations
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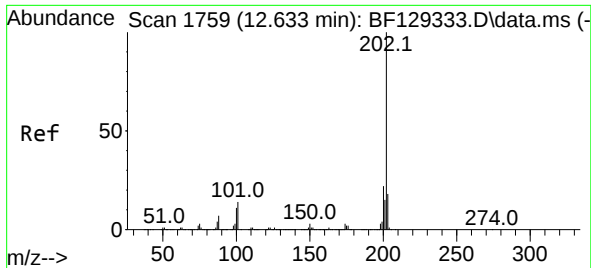
Reviewed By :Christian Giraldo 08/09/2022
 Supervised By :Jagrut Upadhyay 08/09/2022



#73
 Carbazole
 Concen: 3.681 ng
 RT: 11.604 min Scan# 1584
 Delta R.T. -0.012 min
 Lab File: BF129655.D
 Acq: 09 Aug 2022 04:24

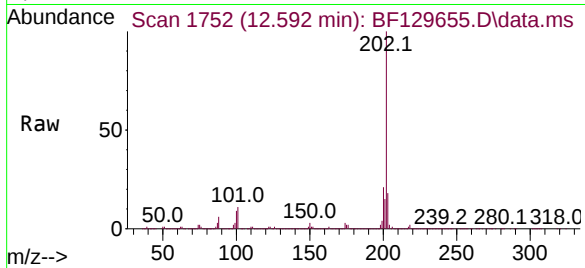
Tgt Ion:167 Resp: 61455
 Ion Ratio Lower Upper
 167 100
 166 22.7 17.7 26.5
 139 14.3 11.2 16.8





#75
Fluoranthene
Concen: 62.782 ng
RT: 12.592 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF129655.D
Acq: 09 Aug 2022 04:24

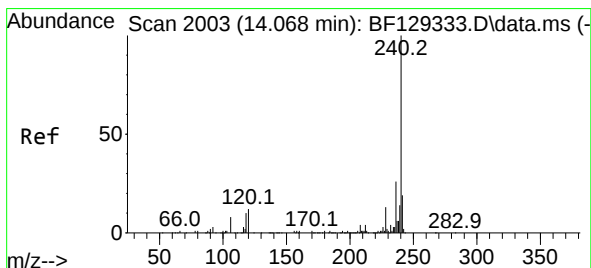
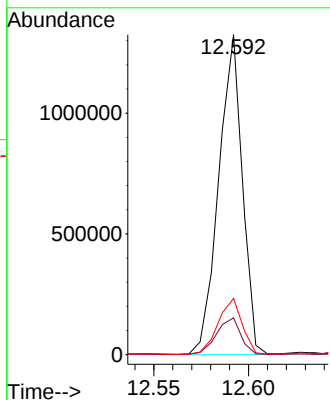
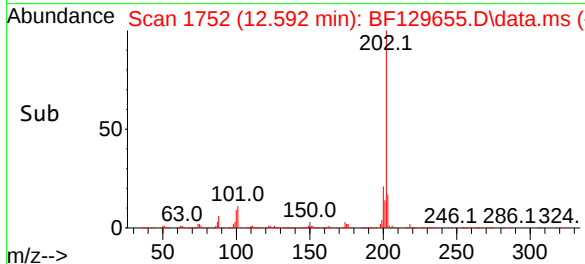
Instrument :
BNA_F
ClientSampleId :
BU-02-080522



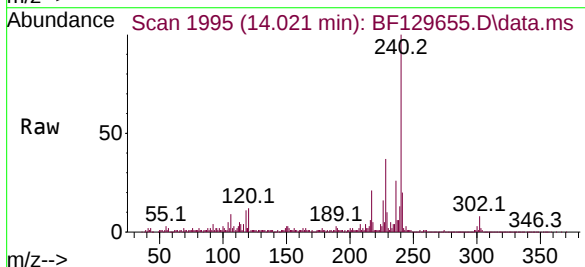
Tgt Ion:202 Resp: 1148156
Ion Ratio Lower Upper
202 100
101 11.5 0.0 31.4
203 17.6 0.0 38.0

Manual Integrations
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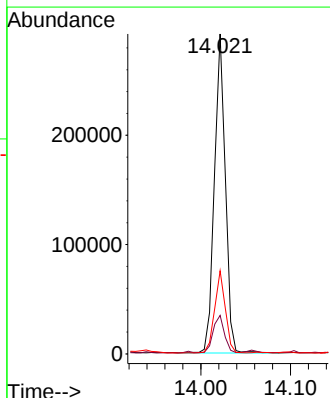
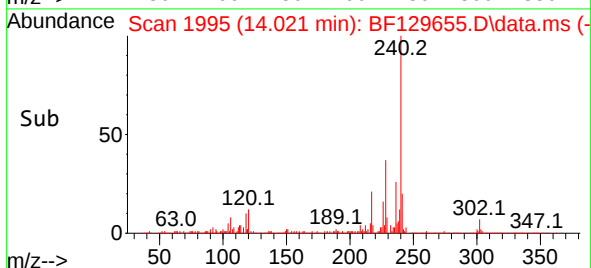
Reviewed By :Christian Giraldo 08/09/2022
Supervised By :Jagrut Upadhyay 08/09/2022

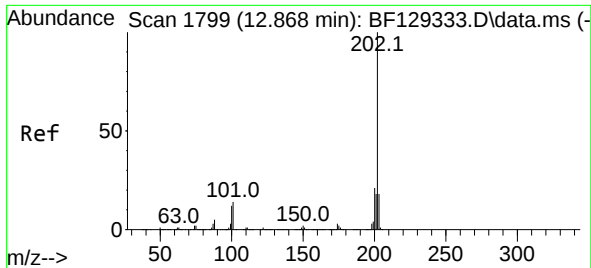


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.021 min Scan# 1995
Delta R.T. -0.006 min
Lab File: BF129655.D
Acq: 09 Aug 2022 04:24



Tgt Ion:240 Resp: 248401
Ion Ratio Lower Upper
240 100
120 12.0 8.9 13.3
236 26.0 20.8 31.2





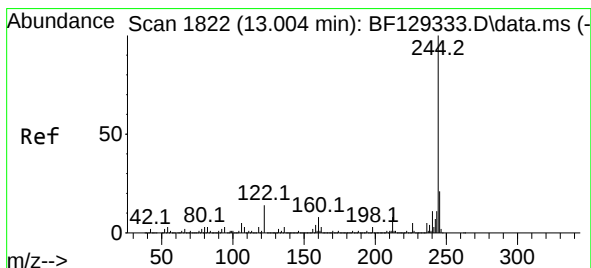
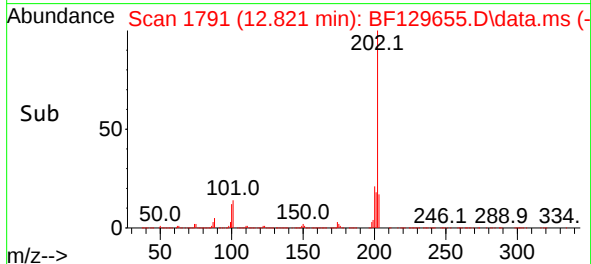
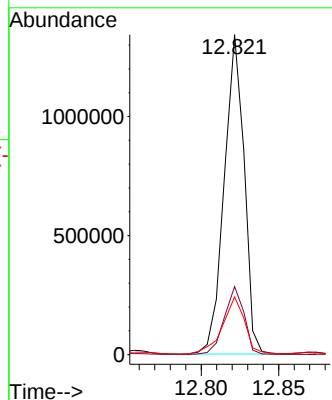
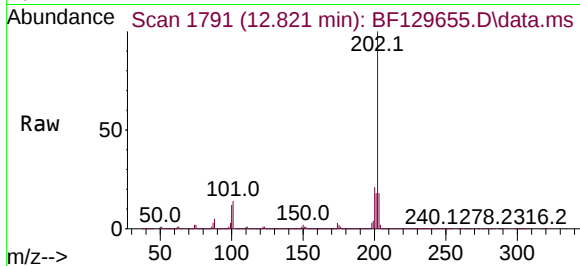
#78
Pyrene
Concen: 57.920 ng
RT: 12.821 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF129655.D
Acq: 09 Aug 2022 04:24

Instrument :
BNA_F
ClientSampleId :
BU-02-080522

Tgt Ion:202 Resp: 120312
Ion Ratio Lower Upper
202 100
200 21.3 17.7 26.5
203 18.0 14.6 21.8

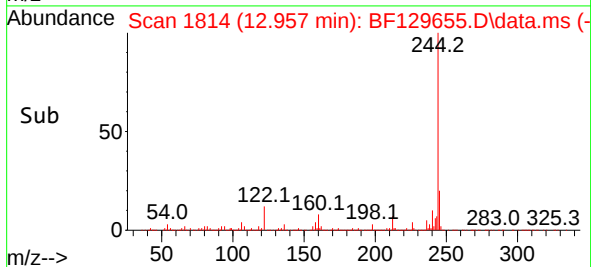
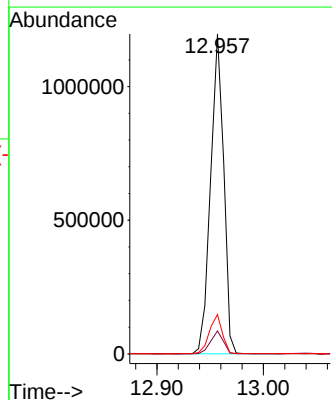
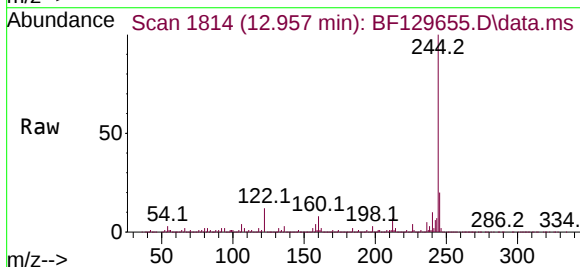
Manual Integrations
APPROVED

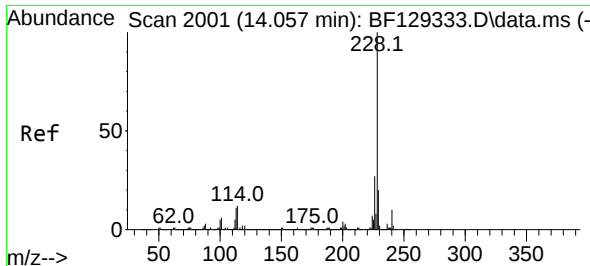
Reviewed By :Christian Giraldo 08/09/2022
Supervised By :Jagrut Upadhyay 08/09/2022



#79
Terphenyl-d14
Concen: 77.636 ng
RT: 12.957 min Scan# 1814
Delta R.T. -0.012 min
Lab File: BF129655.D
Acq: 09 Aug 2022 04:24

Tgt Ion:244 Resp: 1022219
Ion Ratio Lower Upper
244 100
212 7.2 6.1 9.1
122 12.3 8.8 13.2





#81
Benzo(a)anthracene
Concen: 29.966 ng
RT: 14.010 min Scan# 1993
Delta R.T. -0.006 min
Lab File: BF129655.D
Acq: 09 Aug 2022 04:24

Instrument :

BNA_F

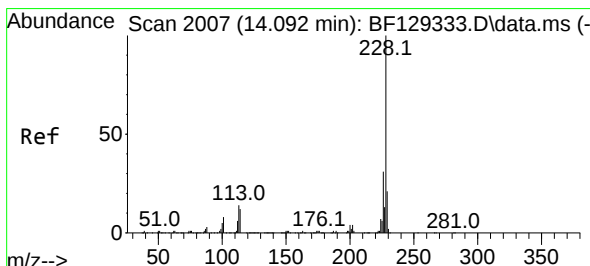
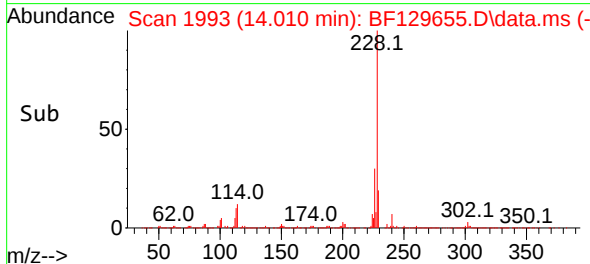
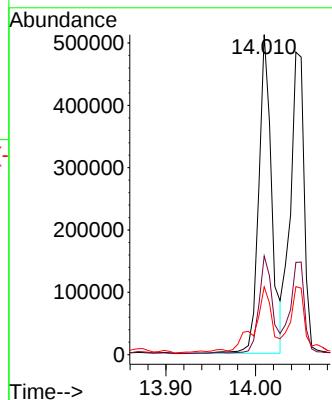
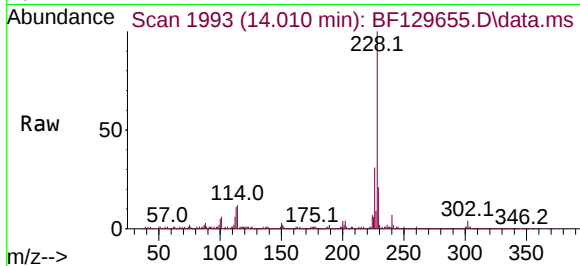
ClientSampleId :

BU-02-080522

Tgt Ion:228 Resp: 508462
Ion Ratio Lower Upper
228 100
226 30.9 22.1 33.1
229 21.2 15.8 23.8

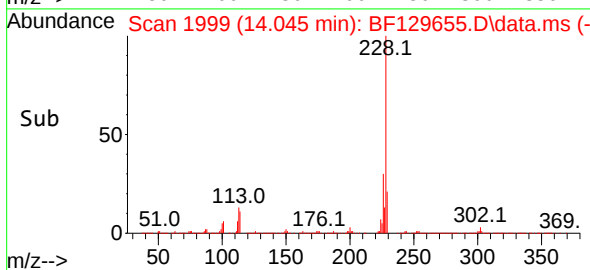
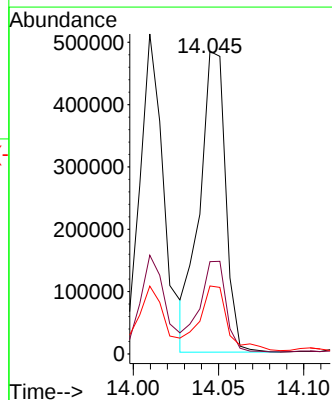
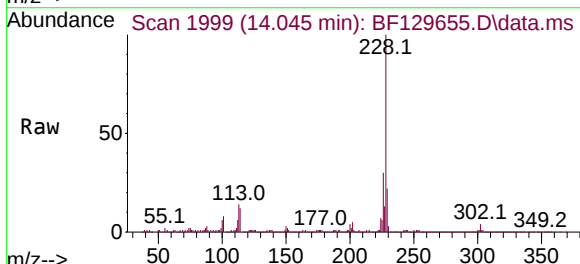
Manual Integrations
APPROVED

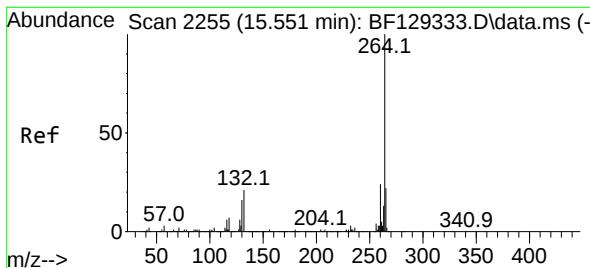
Reviewed By :Christian Giraldo 08/09/2022
Supervised By :Jagrut Upadhyay 08/09/2022



#83
Chrysene
Concen: 32.123 ng
RT: 14.045 min Scan# 1999
Delta R.T. -0.012 min
Lab File: BF129655.D
Acq: 09 Aug 2022 04:24

Tgt Ion:228 Resp: 513712
Ion Ratio Lower Upper
228 100
226 30.5 24.3 36.5
229 22.5 15.9 23.9





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.498 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF129655.D

Acq: 09 Aug 2022 04:24

Instrument :

BNA_F

ClientSampleId :

BU-02-080522

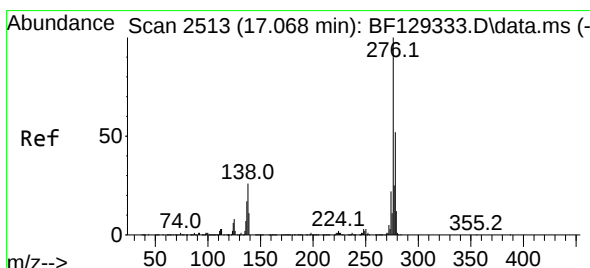
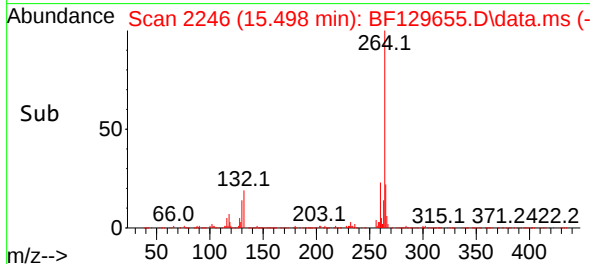
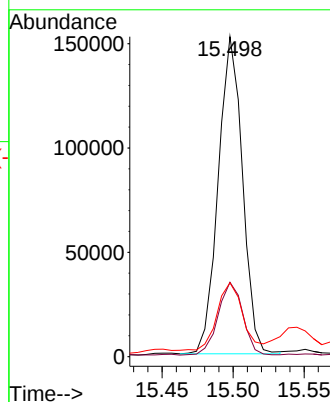
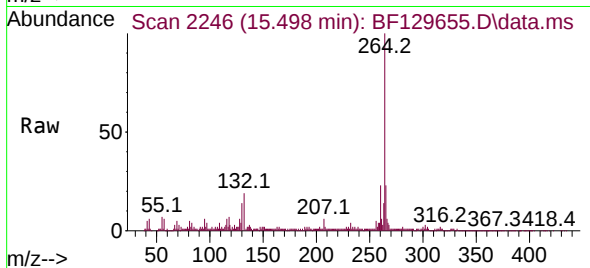
Tgt Ion:	264	Resp:	180698
Ion Ratio	Lower	Upper	
264	100		
260	23.2	18.4	27.6
265	23.1	17.2	25.8

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 08/09/2022

Supervised By :Jagrut Upadhyay 08/09/2022



#87

Indeno(1,2,3-cd)pyrene

Concen: 16.777 ng

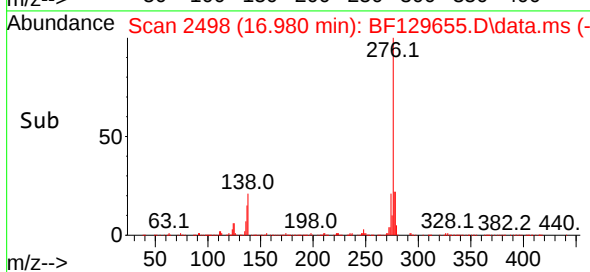
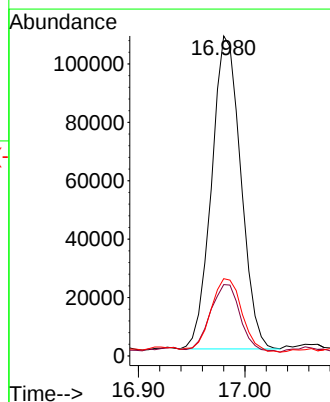
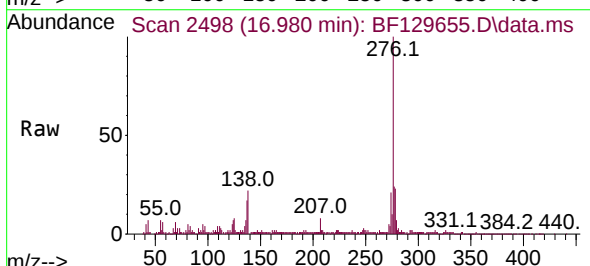
RT: 16.980 min Scan# 2498

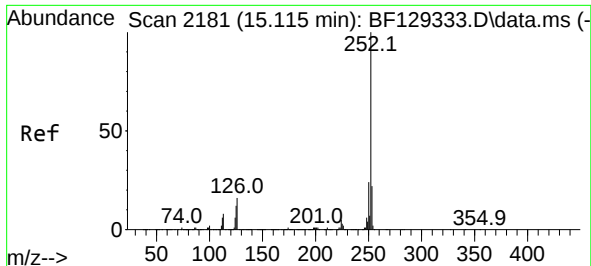
Delta R.T. -0.018 min

Lab File: BF129655.D

Acq: 09 Aug 2022 04:24

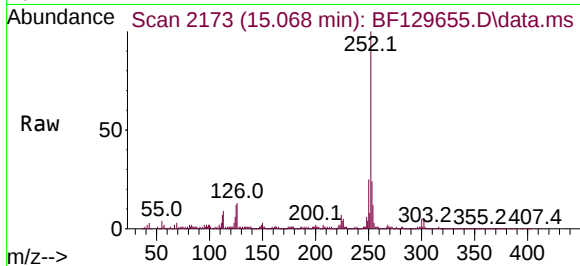
Tgt Ion:	276	Resp:	204148
Ion Ratio	Lower	Upper	
276	100		
138	22.3	21.1	31.7
277	25.3	20.3	30.5





#88
Benzo(b)fluoranthene
Concen: 42.623 ng m
RT: 15.068 min Scan# 2181
Delta R.T. -0.000 min
Lab File: BF129655.D
Acq: 09 Aug 2022 04:24

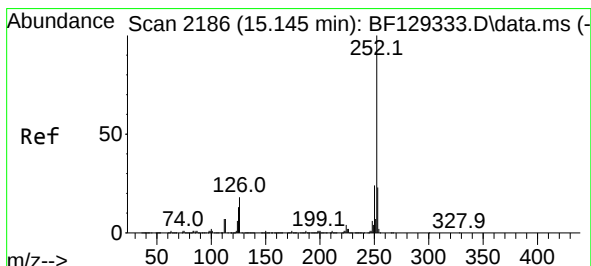
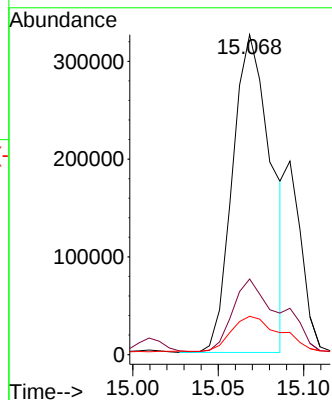
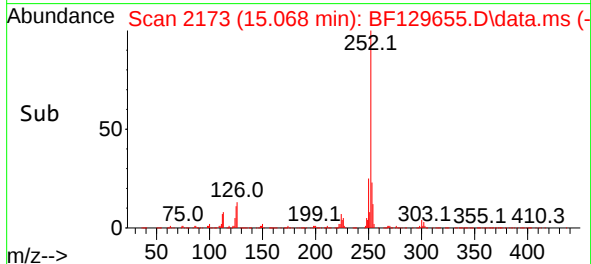
Instrument :
BNA_F
ClientSampleId :
BU-02-080522



Tgt Ion:252 Resp: 510889
Ion Ratio Lower Upper
252 100
253 23.6 17.7 26.5
125 12.0 8.0 12.0

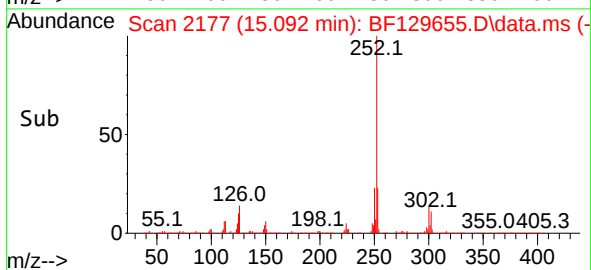
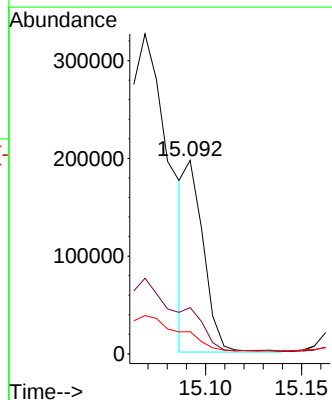
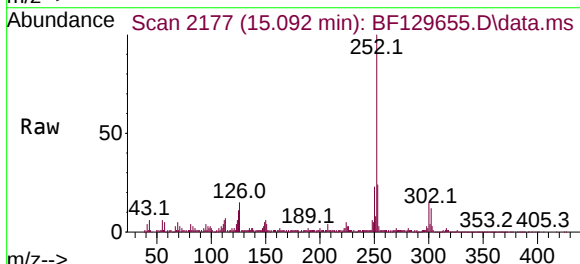
Manual Integrations
APPROVED

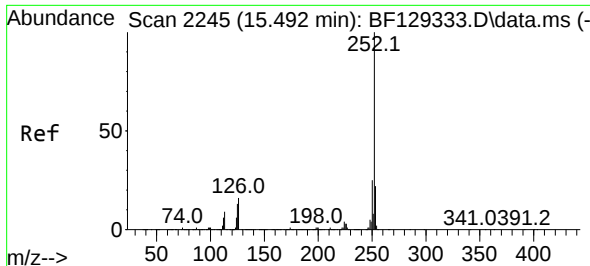
Reviewed By :Christian Giraldo 08/09/2022
Supervised By :Jagrut Upadhyay 08/09/2022



#89
Benzo(k)fluoranthene
Concen: 11.171 ng m
RT: 15.092 min Scan# 2177
Delta R.T. -0.012 min
Lab File: BF129655.D
Acq: 09 Aug 2022 04:24

Tgt Ion:252 Resp: 131220
Ion Ratio Lower Upper
252 100
253 24.0 17.8 26.6
125 11.5 8.3 12.5





#90
Benzo(a)pyrene
Concen: 36.503 ng
RT: 15.433 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF129655.D
Acq: 09 Aug 2022 04:24

Instrument :

BNA_F

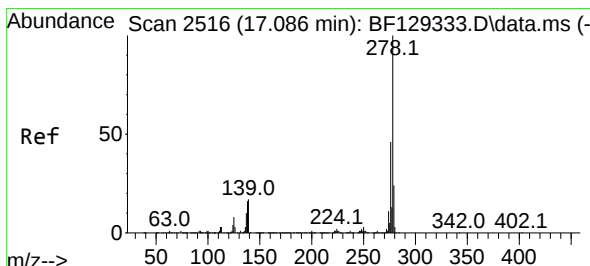
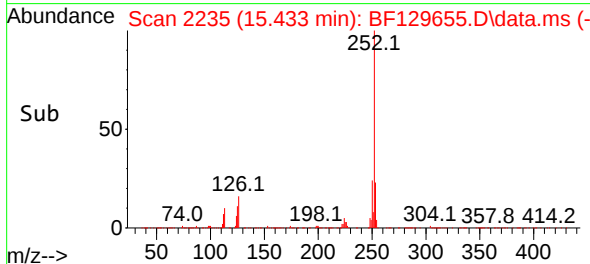
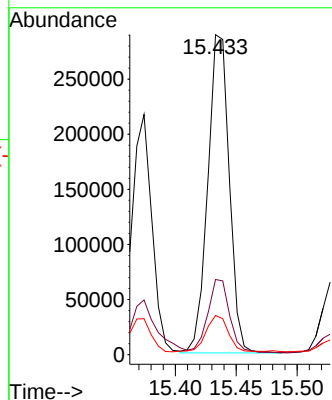
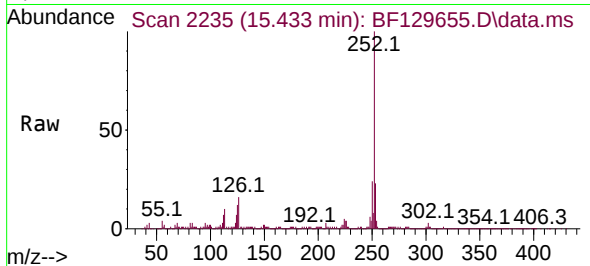
ClientSampleId :

BU-02-080522

Tgt Ion:252 Resp: 35517
Ion Ratio Lower Upper
252 100
253 23.5 17.0 25.6
125 12.2 8.8 13.2

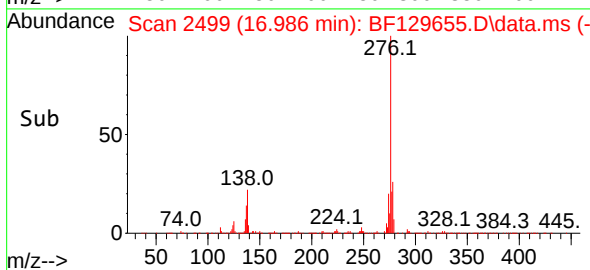
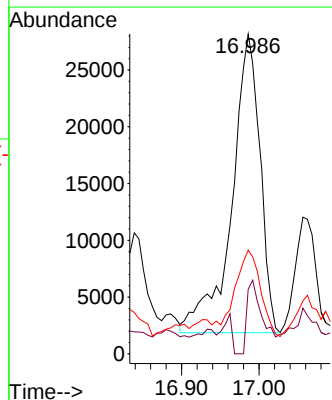
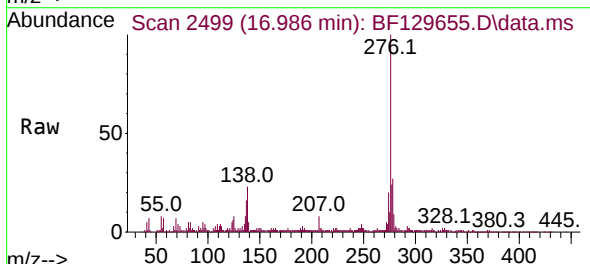
Manual Integrations
APPROVED

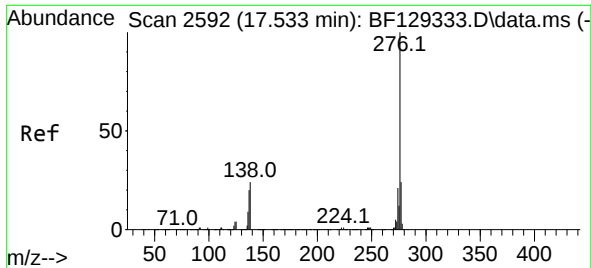
Reviewed By :Christian Giraldo 08/09/2022
Supervised By :Jagrut Upadhyay 08/09/2022



#91
Dibenzo(a,h)anthracene
Concen: 6.727 ng
RT: 16.986 min Scan# 2499
Delta R.T. -0.024 min
Lab File: BF129655.D
Acq: 09 Aug 2022 04:24

Tgt Ion:278 Resp: 66622
Ion Ratio Lower Upper
278 100
139 20.2 12.8 19.2#
279 32.4 18.6 28.0#





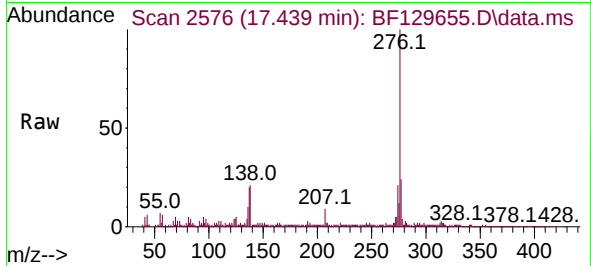
#92
 Benzo(g,h,i)perylene
 Concen: 21.286 ng
 RT: 17.439 min Scan# 2576
 Delta R.T. -0.012 min
 Lab File: BF129655.D
 Acq: 09 Aug 2022 04:24

Instrument :

BNA_F

ClientSampleId :

BU-02-080522



Tgt Ion: 276 Resp: 215418
 Ion Ratio Lower Upper
 276 100
 277 24.0 19.1 28.7
 138 21.4 18.0 27.0

Manual Integrations

APPROVED

Reviewed By : Christian Giraldo 08/09/2022
 Supervised By : Jagrut Upadhyay 08/09/2022

