

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060722\
 Data File : BF128718.D
 Acq On : 07 Jun 2022 16:17
 Operator : CG\JU
 Sample : N3194-03 5X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-2

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 06/08/2022
 Supervised By : Jagrut Upadhyay 06/08/2022

Quant Time: Jun 08 00:26:42 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060222.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 02 17:07:23 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.822	152	82766	20.000	ng	0.00
21) Naphthalene-d8	8.104	136	314396	20.000	ng	# 0.00
39) Acenaphthene-d10	9.863	164	169425	20.000	ng	0.00
64) Phenanthrene-d10	11.351	188	279206	20.000	ng	0.00
76) Chrysene-d12	13.998	240	183678	20.000	ng	# 0.00
86) Perylene-d12	15.468	264	179455	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.475	112	86009	16.552	ng	0.00
7) Phenol-d6	6.493	99	110694	17.452	ng	0.00
23) Nitrobenzene-d5	7.381	82	77443	11.468	ng	-0.01
42) 2,4,6-Tribromophenol	10.651	330	29370	14.671	ng	-0.01
45) 2-Fluorobiphenyl	9.181	172	148052	12.241	ng	-0.01
79) Terphenyl-d14	12.939	244	120904	11.438	ng	0.00
Target Compounds						Qvalue
52) Acenaphthene	9.892	154	26410	2.731	ng	97
55) Dibenzofuran	10.069	168	30171	2.171	ng	99
58) Fluorene	10.410	166	24645	2.287	ng	95
71) Phenanthrene	11.375	178	499327	35.655	ng	98
72) Anthracene	11.427	178	140659	10.148	ng	96
73) Carbazole	11.586	167	40566	3.151	ng	99
75) Fluoranthene	12.569	202	655038	44.747	ng	96
78) Pyrene	12.798	202	547477	40.063	ng	97
81) Benzo(a)anthracene	13.986	228	255890	22.350	ng	99
83) Chrysene	14.021	228	197945	18.134	ng	98
87) Indeno(1,2,3-cd)pyrene	16.921	276	120479	11.139	ng	# 89
88) Benzo(b)fluoranthene	15.039	252	249146m	21.727	ng	
89) Benzo(k)fluoranthene	15.063	252	71589m	6.637	ng	
90) Benzo(a)pyrene	15.404	252	183841m	20.398	ng	
91) Dibenzo(a,h)anthracene	16.927	278	32404	3.612	ng	94
92) Benzo(g,h,i)perylene	17.362	276	110358	12.411	ng	# 91

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

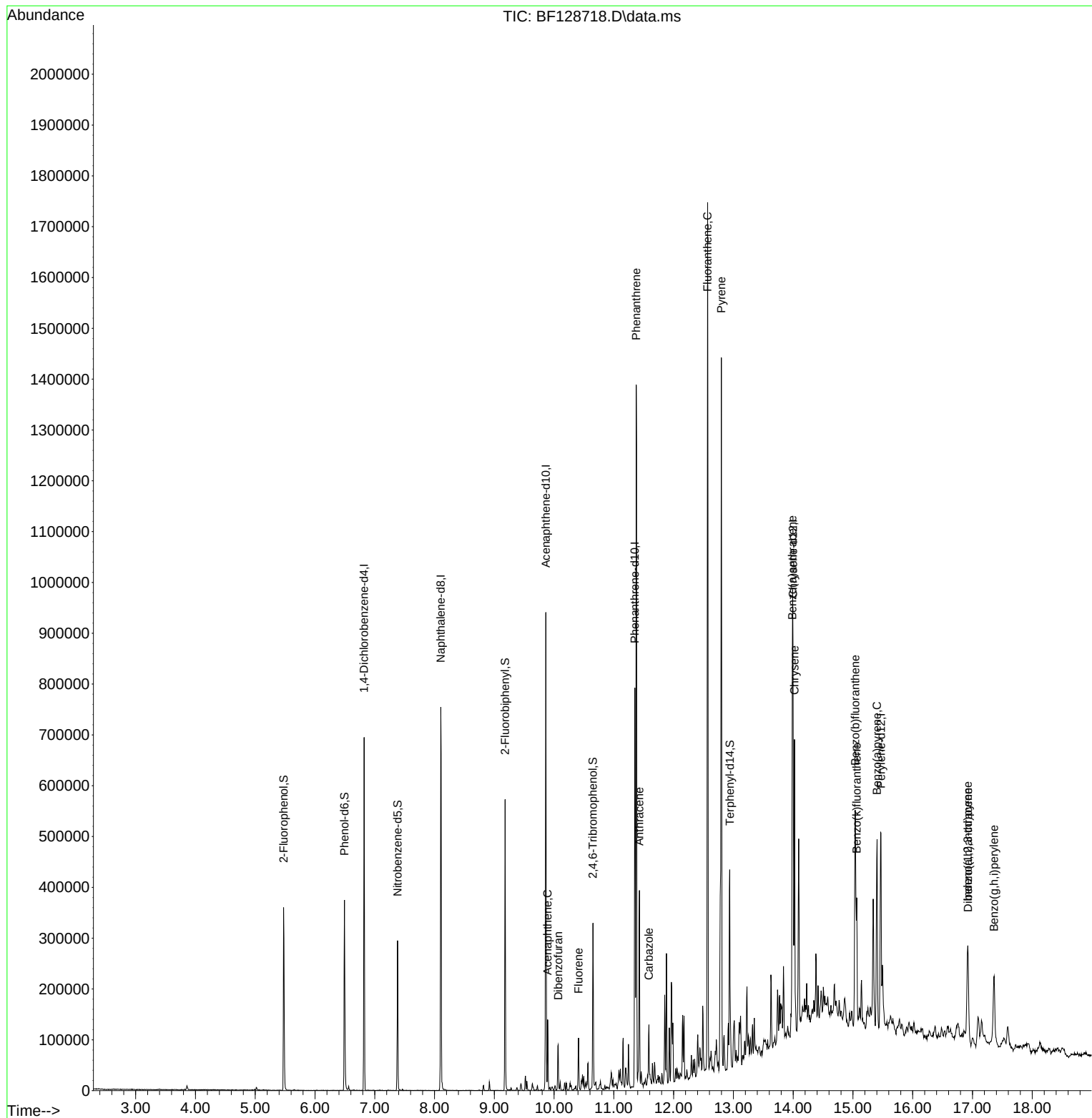
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060722\
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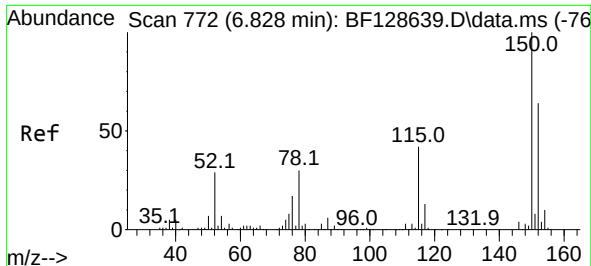
Instrument :
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Quant Time: Jun 08 00:26:42 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060222.M
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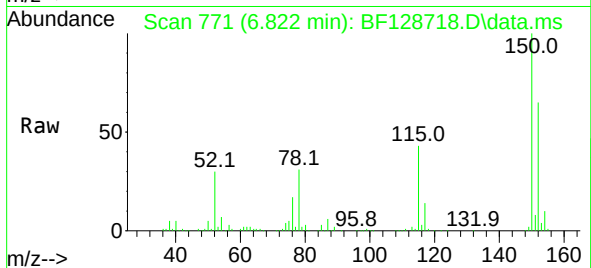
Reviewed By :Christian Giraldo 06/08/2022
Supervised By :Jagrut Upadhyay 06/08/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.822 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF128718.D
Acq: 07 Jun 2022 16:17

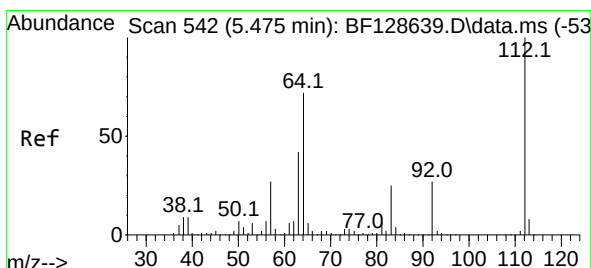
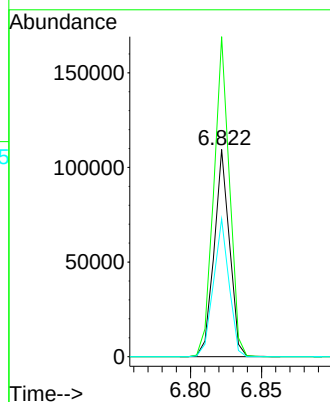
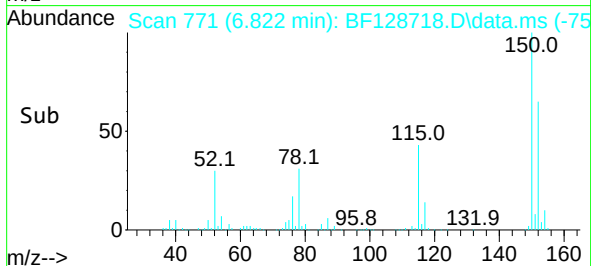
Instrument :
BNA_F
ClientSampleId :
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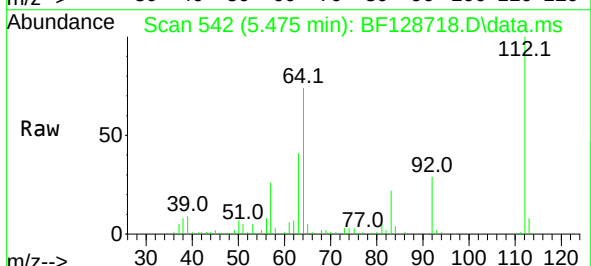
Tgt Ion:152 Resp: 82760
Ion Ratio Lower Upper
152 100
150 154.5 123.7 185.5
115 66.5 49.9 74.9

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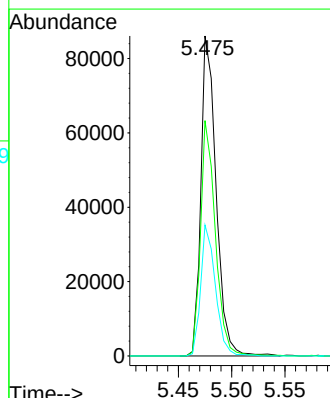
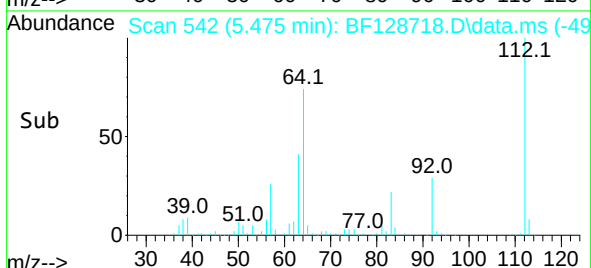
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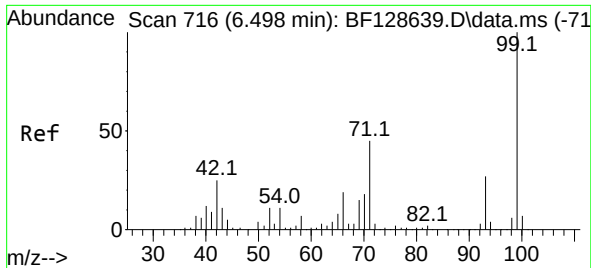


#5
2-Fluorophenol
Concen: 16.552 ng
RT: 5.475 min Scan# 542
Delta R.T. -0.000 min
Lab File: BF128718.D
Acq: 07 Jun 2022 16:17



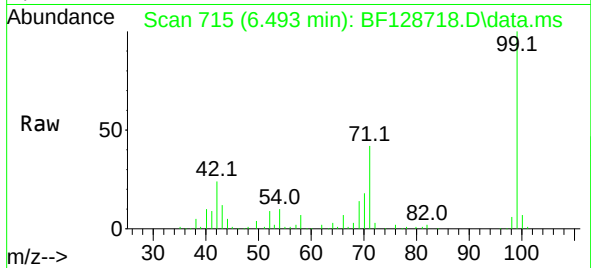
Tgt Ion:112 Resp: 86009
Ion Ratio Lower Upper
112 100
64 73.6 53.3 79.9
63 40.9 28.0 42.0





#7
Phenol-d6
Concen: 17.452 ng
RT: 6.493 min Scan# 716
Delta R.T. -0.005 min
Lab File: BF128718.D
Acq: 07 Jun 2022 16:17

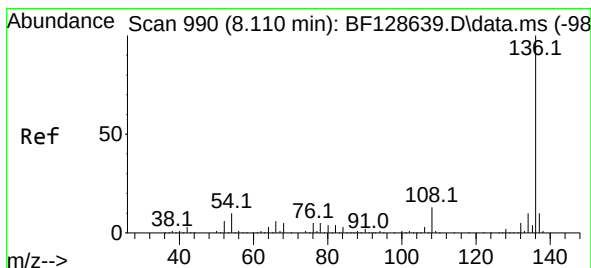
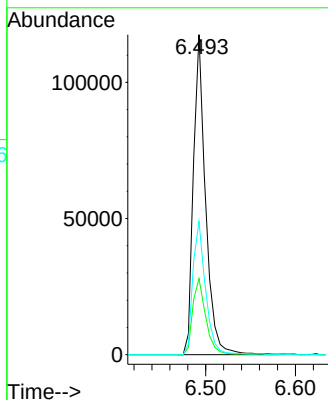
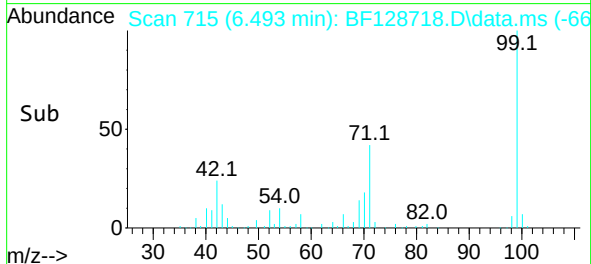
Instrument :
BNA_F
ClientSampleId :
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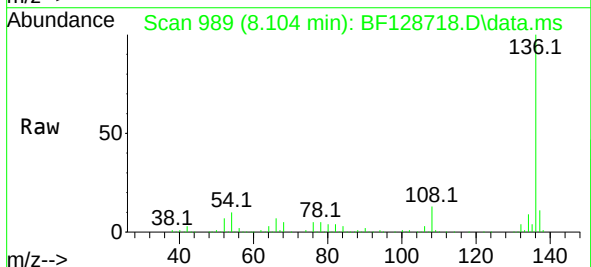
Tgt Ion: 99 Resp: 110694
Ion Ratio Lower Upper
99 100
42 23.8 17.3 25.9
71 41.7 28.9 43.3

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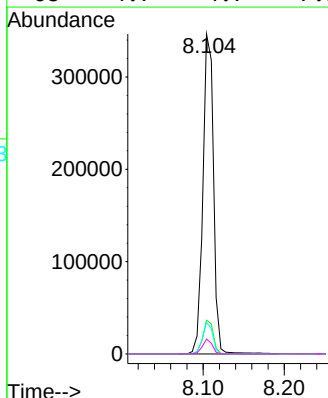
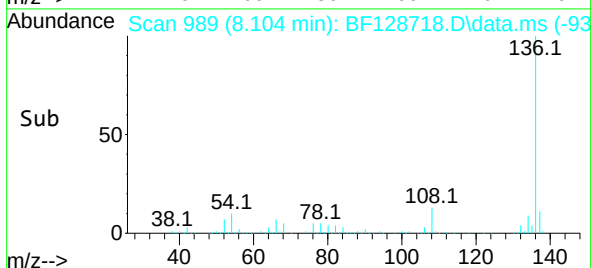
Reviewed By :Christian Giraldo 06/08/2022
Supervised By :Jagrut Upadhyay 06/08/2022

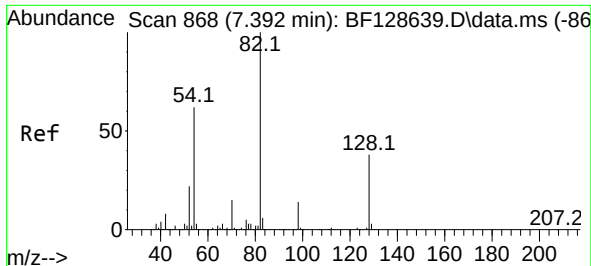


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.104 min Scan# 989
Delta R.T. -0.006 min
Lab File: BF128718.D
Acq: 07 Jun 2022 16:17



Tgt Ion:136 Resp: 314396
Ion Ratio Lower Upper
136 100
137 10.6 8.8 13.2
54 9.9 7.5 11.3
68 4.7 4.7 7.1#





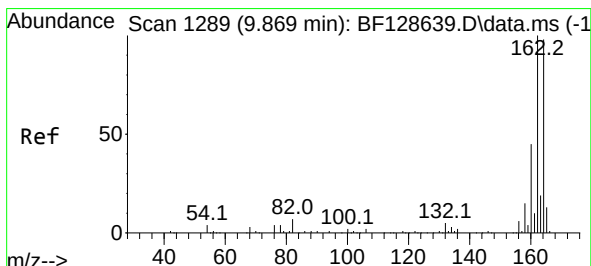
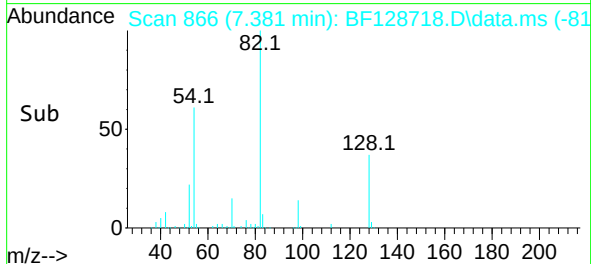
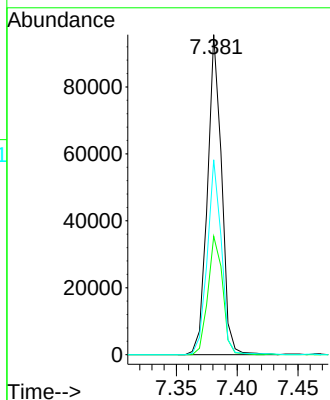
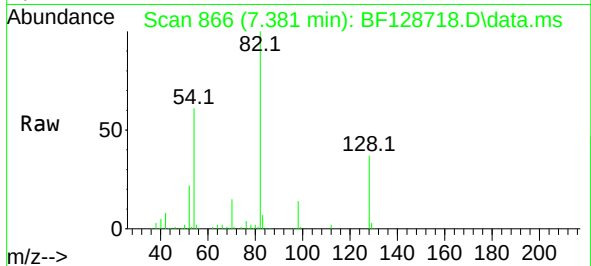
#23
Nitrobenzene-d5
Concen: 11.468 ng
RT: 7.381 min Scan# 80
Delta R.T. -0.011 min
Lab File: BF128718.D
Acq: 07 Jun 2022 16:17

Instrument :
BNA_F
ClientSampleId :
TP-2

Tgt Ion: 82 Resp: 7744
Ion Ratio Lower Upper
82 100
128 37.0 34.0 51.0
54 60.9 46.9 70.3

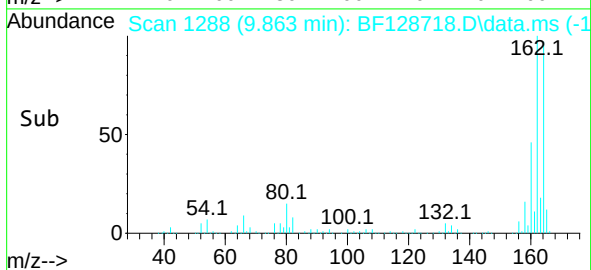
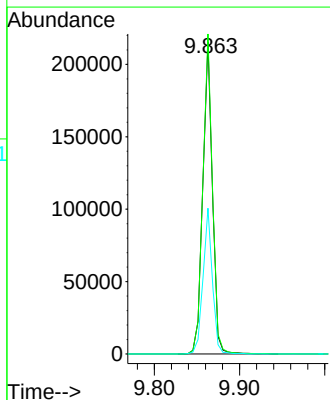
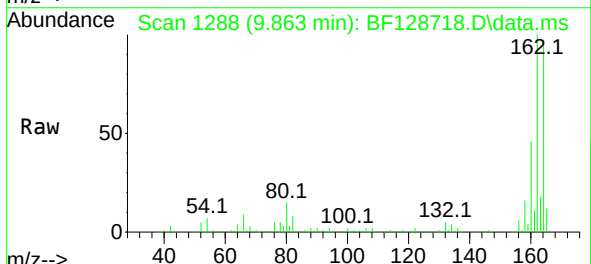
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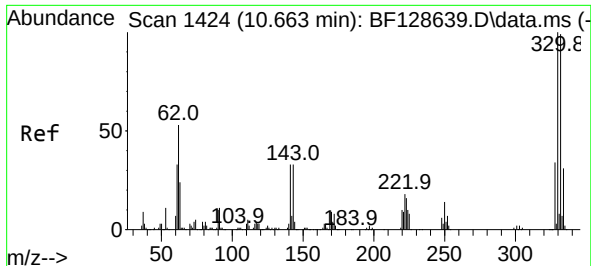
Reviewed By :Christian Giraldo 06/08/2022
Supervised By :Jagrut Upadhyay 06/08/2022



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.863 min Scan# 1288
Delta R.T. -0.006 min
Lab File: BF128718.D
Acq: 07 Jun 2022 16:17

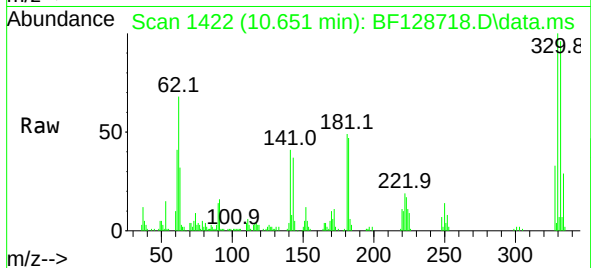
Tgt Ion:164 Resp: 169425
Ion Ratio Lower Upper
164 100
162 102.6 79.5 119.3
160 46.7 34.2 51.4





#42
2,4,6-Tribromophenol
Concen: 14.671 ng
RT: 10.651 min Scan# 1422
Delta R.T. -0.012 min
Lab File: BF128718.D
Acq: 07 Jun 2022 16:17

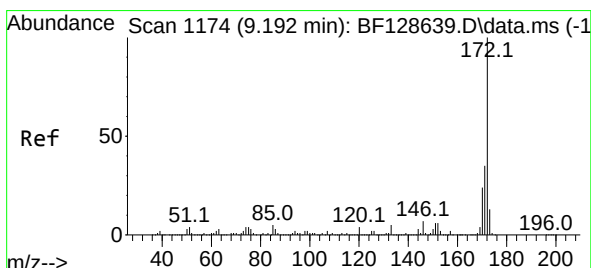
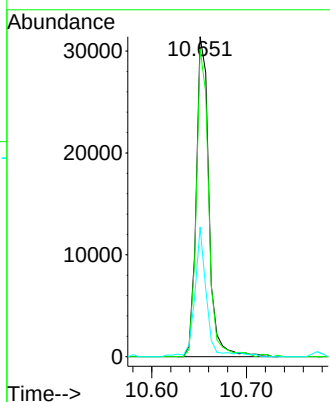
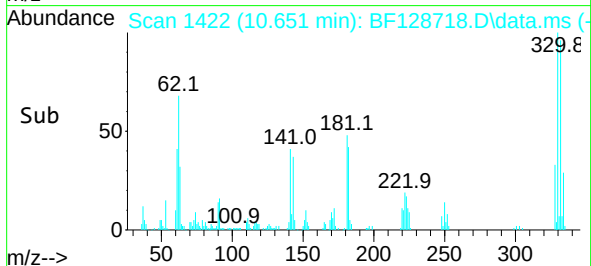
Instrument :
BNA_F
ClientSampleId :
TP-2



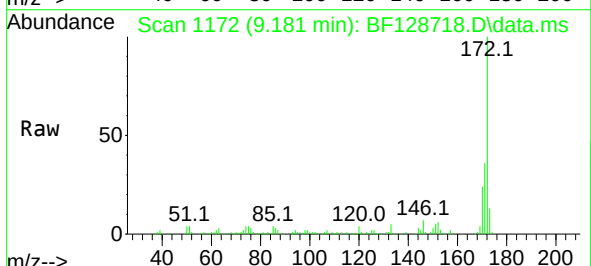
Tgt Ion: 330 Resp: 29370
Ion Ratio Lower Upper
330 100
332 93.7 76.8 115.2
141 37.5 28.0 42.0

Manual Integrations
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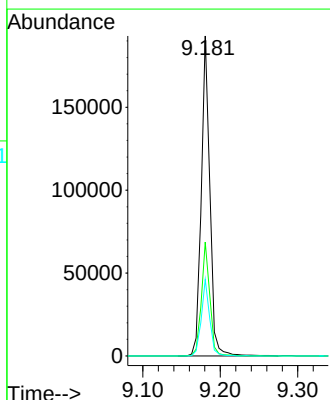
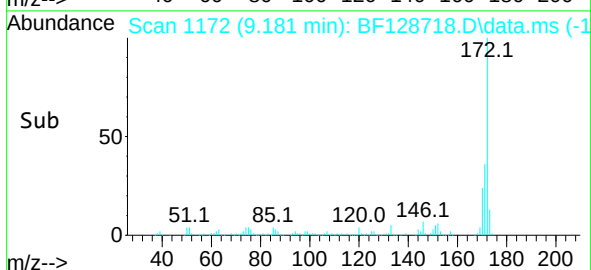
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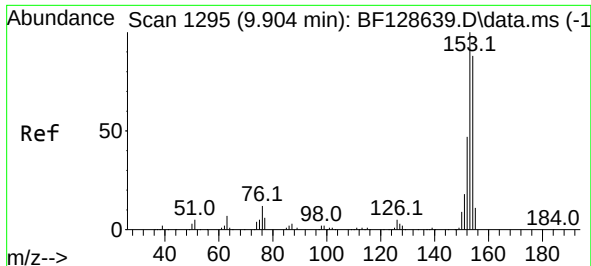


#45
2-Fluorobiphenyl
Concen: 12.241 ng
RT: 9.181 min Scan# 1172
Delta R.T. -0.011 min
Lab File: BF128718.D
Acq: 07 Jun 2022 16:17



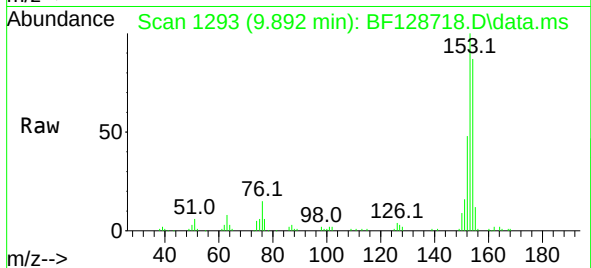
Tgt Ion: 172 Resp: 148052
Ion Ratio Lower Upper
172 100
171 35.6 28.8 43.2
170 23.9 19.8 29.8





#52
Acenaphthene
Concen: 2.731 ng
RT: 9.892 min Scan# 1293
Delta R.T. -0.012 min
Lab File: BF128718.D
Acq: 07 Jun 2022 16:17

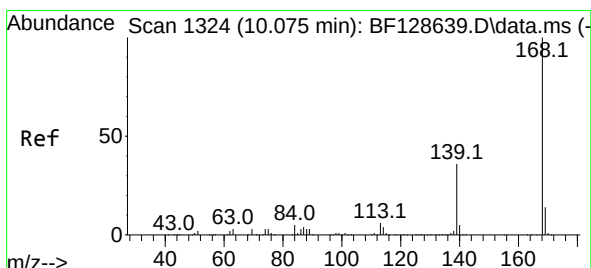
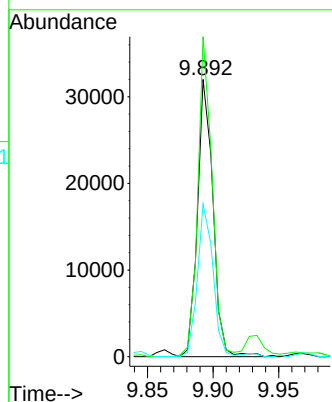
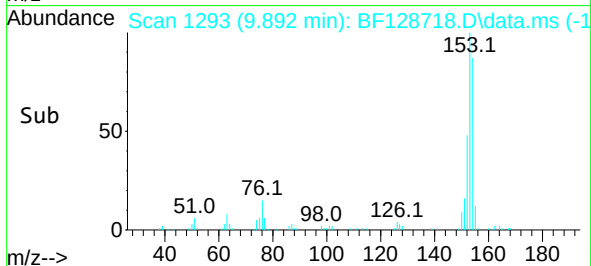
Instrument :
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ClientSampleId :
TP-2



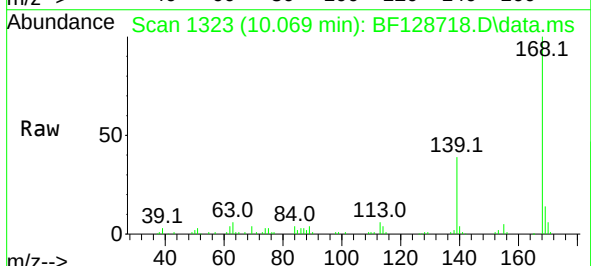
Tgt Ion:154 Resp: 26410
Ion Ratio Lower Upper
154 100
153 115.4 89.6 134.4
152 55.0 42.4 63.6

Manual Integrations
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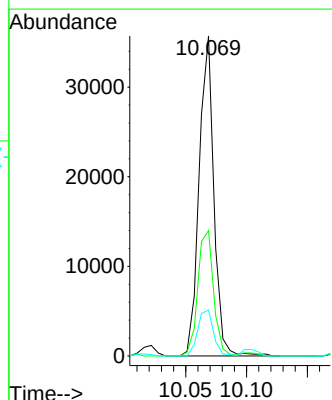
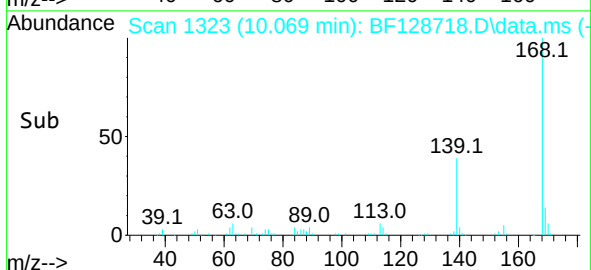
Reviewed By :Christian Giraldo 06/08/2022
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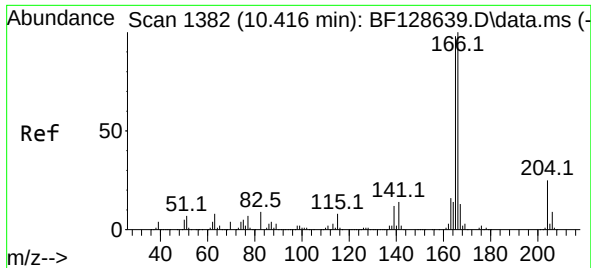


#55
Dibenzofuran
Concen: 2.171 ng
RT: 10.069 min Scan# 1323
Delta R.T. -0.006 min
Lab File: BF128718.D
Acq: 07 Jun 2022 16:17



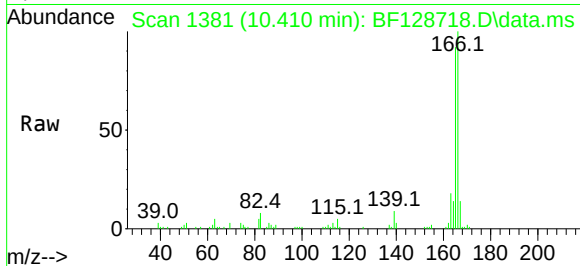
Tgt Ion:168 Resp: 30171
Ion Ratio Lower Upper
168 100
139 39.2 30.6 46.0
169 14.4 11.0 16.6





#58
Fluorene
Concen: 2.287 ng
RT: 10.410 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF128718.D
Acq: 07 Jun 2022 16:17

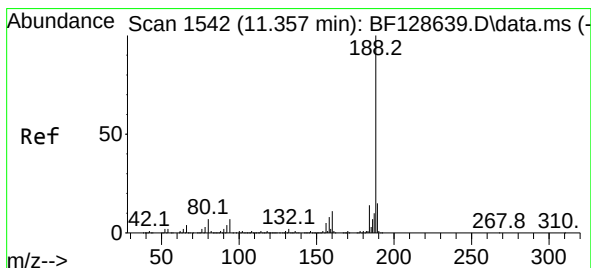
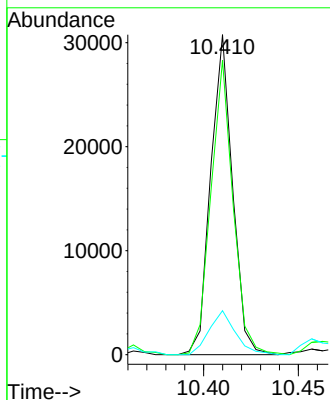
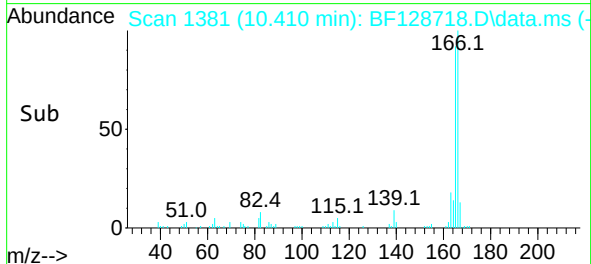
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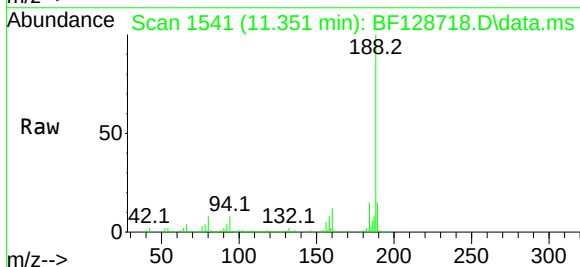
Tgt Ion:166 Resp: 2464
Ion Ratio Lower Upper
166 100
165 92.0 78.1 117.1
167 13.8 10.5 15.7

Manual Integrations
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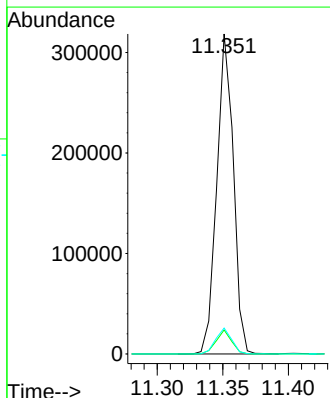
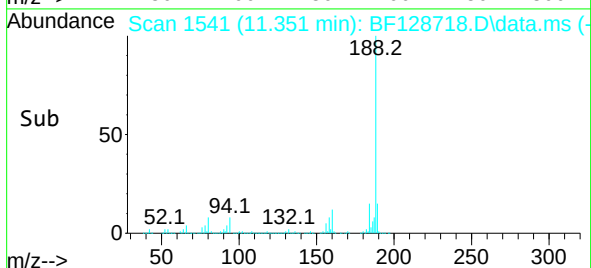
Reviewed By :Christian Giraldo 06/08/2022
Supervised By :Jagrut Upadhyay 06/08/2022

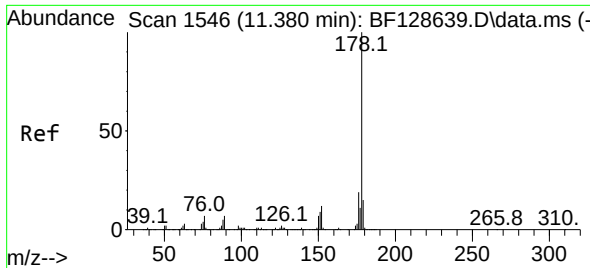


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.351 min Scan# 1541
Delta R.T. -0.006 min
Lab File: BF128718.D
Acq: 07 Jun 2022 16:17



Tgt Ion:188 Resp: 279206
Ion Ratio Lower Upper
188 100
94 7.5 7.0 10.6
80 8.1 7.6 11.4





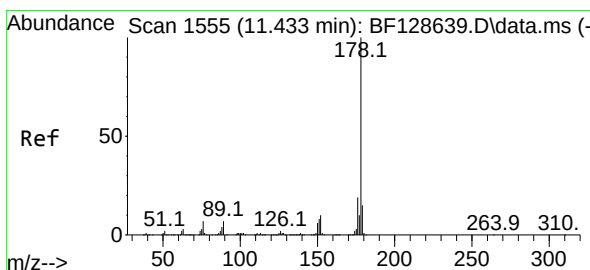
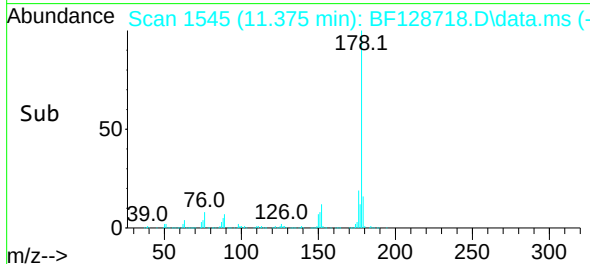
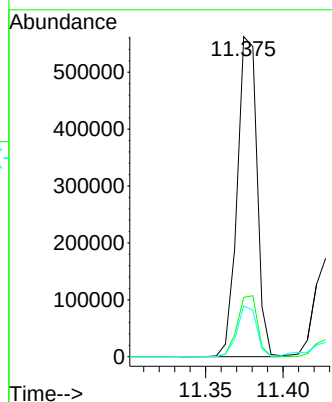
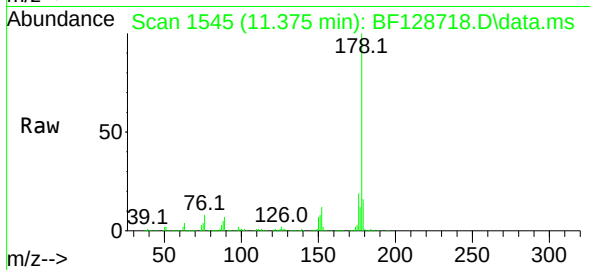
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Phenanthrene
Concen: 35.655 ng
RT: 11.375 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF128718.D
Acq: 07 Jun 2022 16:17

Instrument :
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Tgt Ion:178 Resp: 49932
Ion Ratio Lower Upper
178 100
176 18.6 16.0 24.0
179 15.9 12.6 19.0

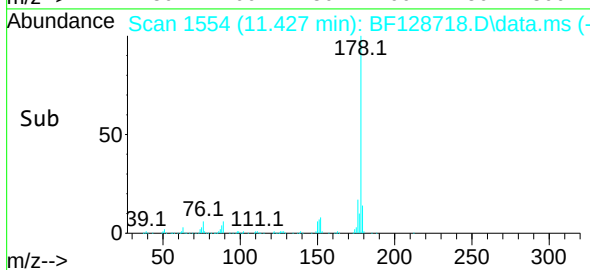
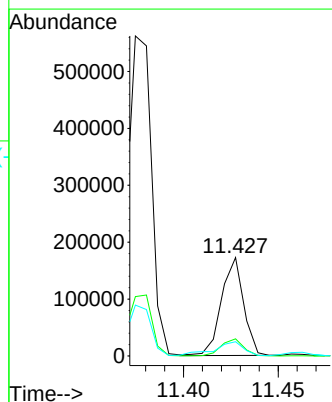
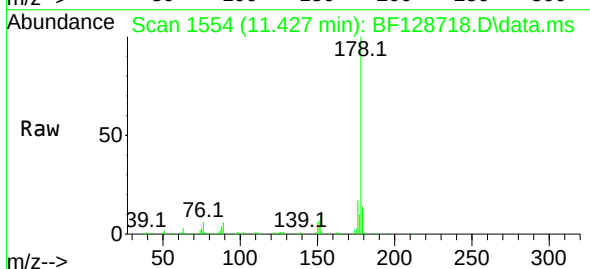
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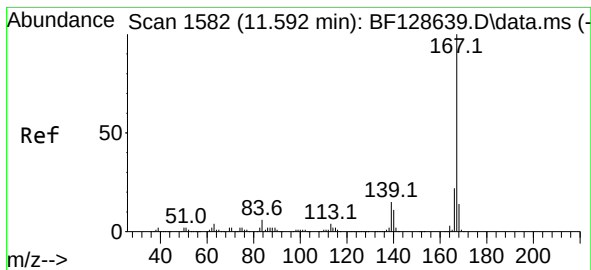
Reviewed By :Christian Giraldo 06/08/2022
Supervised By :Jagrut Upadhyay 06/08/2022



#72
Anthracene
Concen: 10.148 ng
RT: 11.427 min Scan# 1554
Delta R.T. -0.006 min
Lab File: BF128718.D
Acq: 07 Jun 2022 16:17

Tgt Ion:178 Resp: 140659
Ion Ratio Lower Upper
178 100
176 17.3 15.4 23.2
179 14.5 12.6 19.0





#73

Carbazole

Concen: 3.151 ng

RT: 11.586 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF128718.D

Acq: 07 Jun 2022 16:17

Instrument :

BNA_F

ClientSampleId :

TP-2

Tgt Ion:167 Resp: 40560

Ion Ratio Lower Upper

167 100

166 22.5 17.7 26.5

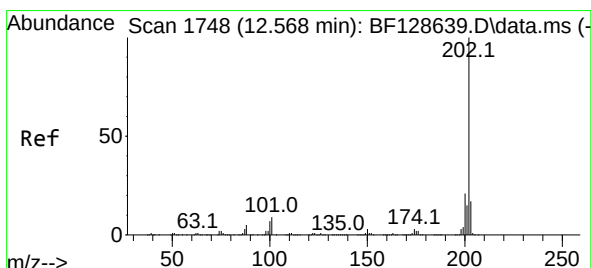
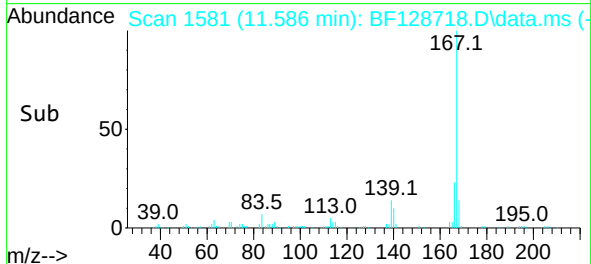
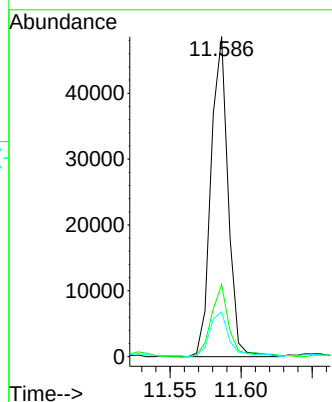
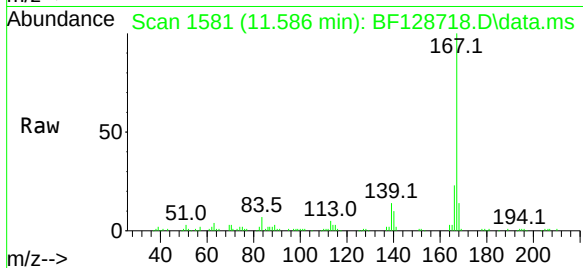
139 14.0 11.2 16.8

Manual Integrations

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Reviewed By :Christian Giraldo 06/08/2022

Supervised By :Jagrut Upadhyay 06/08/2022



#75

Fluoranthene

Concen: 44.747 ng

RT: 12.569 min Scan# 1748

Delta R.T. 0.000 min

Lab File: BF128718.D

Acq: 07 Jun 2022 16:17

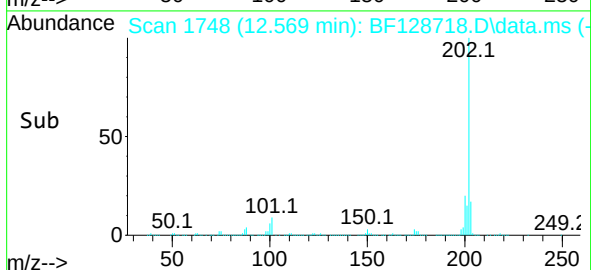
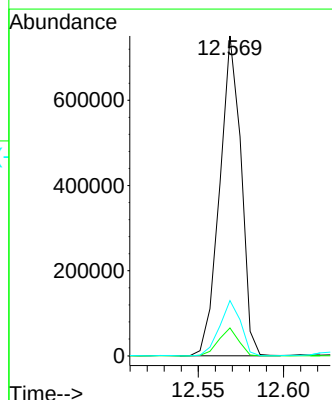
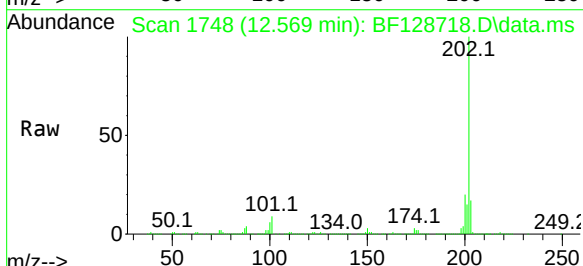
Tgt Ion:202 Resp: 655038

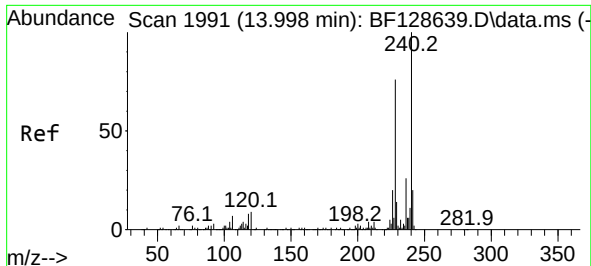
Ion Ratio Lower Upper

202 100

101 8.8 0.0 31.4

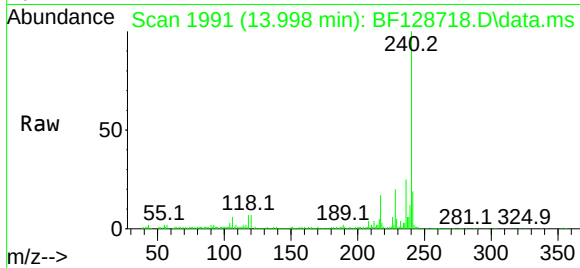
203 17.3 0.0 38.0





#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.998 min Scan# 1991
Delta R.T. -0.000 min
Lab File: BF128718.D
Acq: 07 Jun 2022 16:17

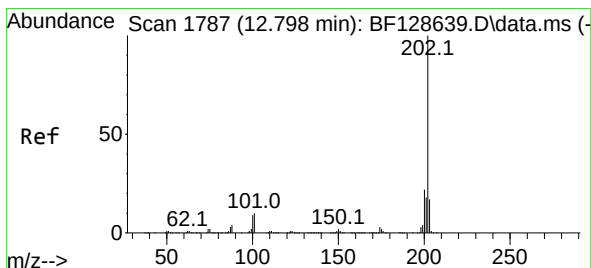
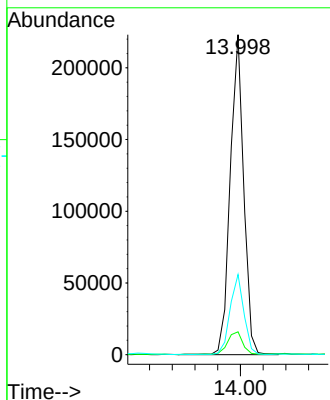
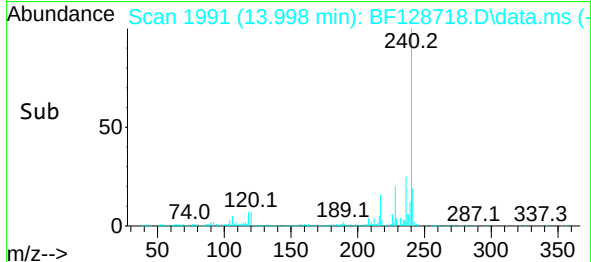
Instrument :
BNA_F
ClientSampleId :
TP-2



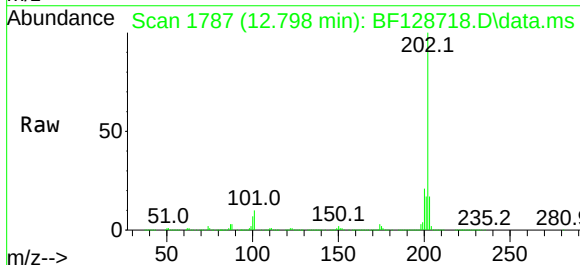
Tgt Ion:240 Resp: 183678
Ion Ratio Lower Upper
240 100
120 7.2 8.9 13.3
236 25.0 20.8 31.2

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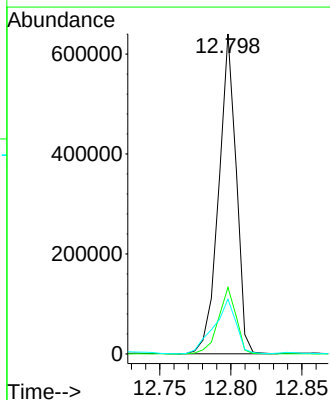
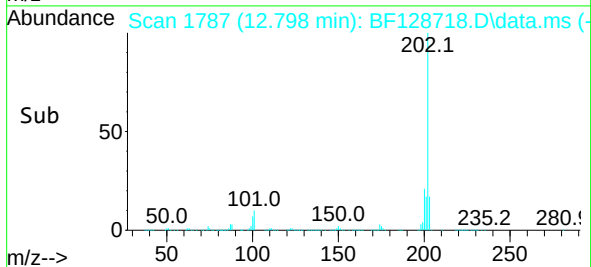
Reviewed By :Christian Giraldo 06/08/2022
Supervised By :Jagrut Upadhyay 06/08/2022

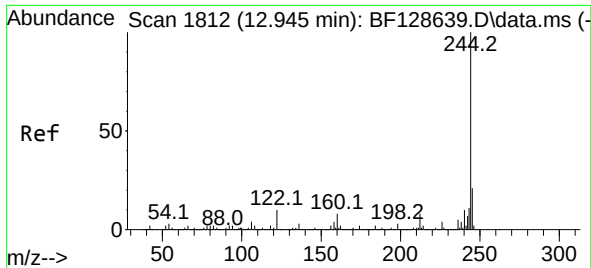


#78
Pyrene
Concen: 40.063 ng
RT: 12.798 min Scan# 1787
Delta R.T. 0.000 min
Lab File: BF128718.D
Acq: 07 Jun 2022 16:17



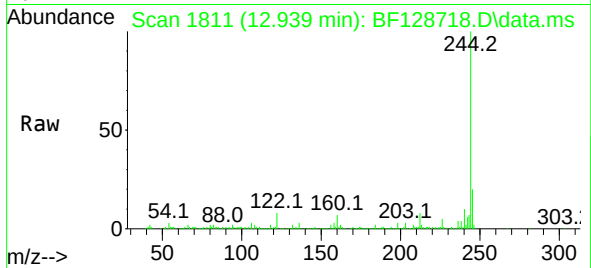
Tgt Ion:202 Resp: 547477
Ion Ratio Lower Upper
202 100
200 20.8 17.7 26.5
203 17.1 14.6 21.8





#79
 Terphenyl-d14
 Concen: 11.438 ng
 RT: 12.939 min Scan# 1811
 Delta R.T. -0.006 min
 Lab File: BF128718.D
 Acq: 07 Jun 2022 16:17

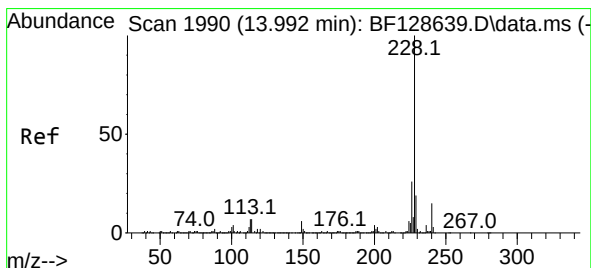
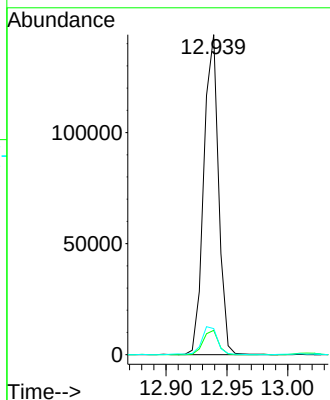
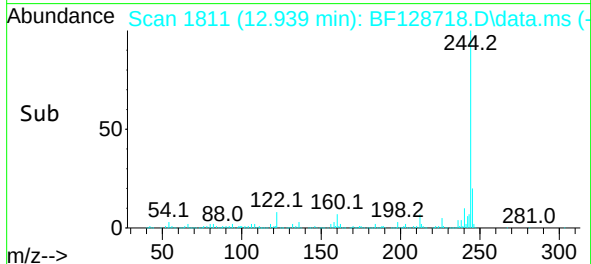
Instrument :
 BNA_F
 ClientSampleId :
 TP-2



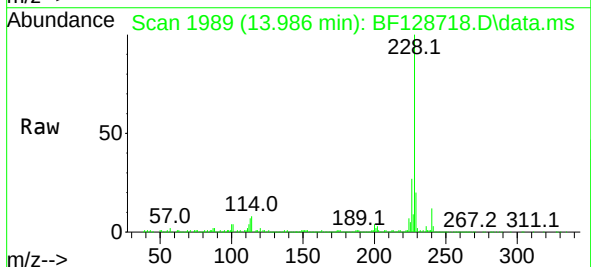
Tgt Ion:244 Resp: 120904
 Ion Ratio Lower Upper
 244 100
 212 7.6 6.1 9.1
 122 8.2 8.8 13.2

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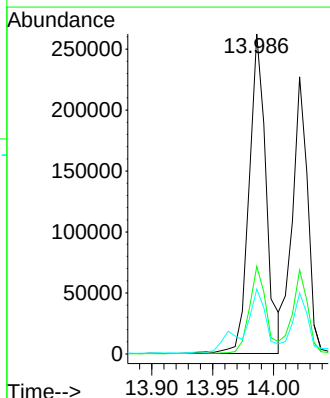
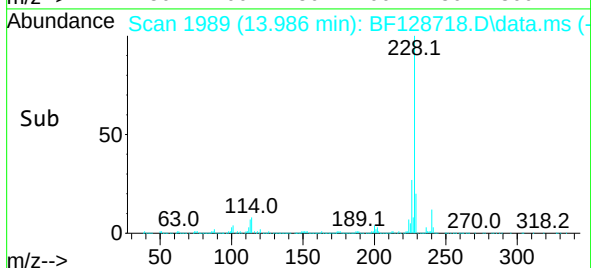
Reviewed By :Christian Giraldo 06/08/2022
 Supervised By :Jagrut Upadhyay 06/08/2022

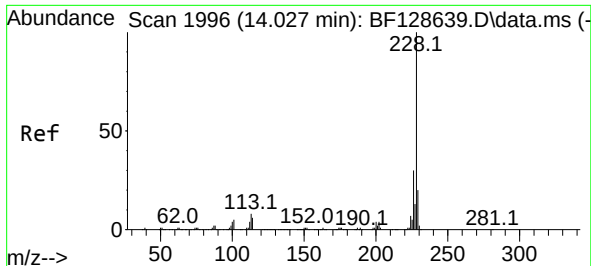


#81
 Benzo(a)anthracene
 Concen: 22.350 ng
 RT: 13.986 min Scan# 1989
 Delta R.T. -0.006 min
 Lab File: BF128718.D
 Acq: 07 Jun 2022 16:17



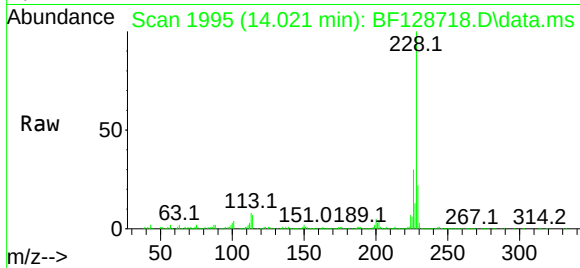
Tgt Ion:228 Resp: 255890
 Ion Ratio Lower Upper
 228 100
 226 27.3 22.1 33.1
 229 20.3 15.8 23.8





#83
Chrysene
Concen: 18.134 ng
RT: 14.021 min Scan# 1996
Delta R.T. -0.006 min
Lab File: BF128718.D
Acq: 07 Jun 2022 16:17

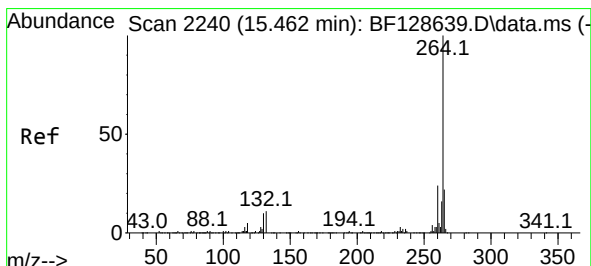
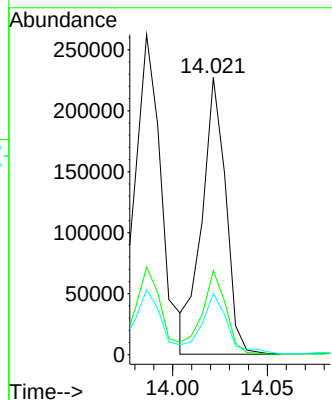
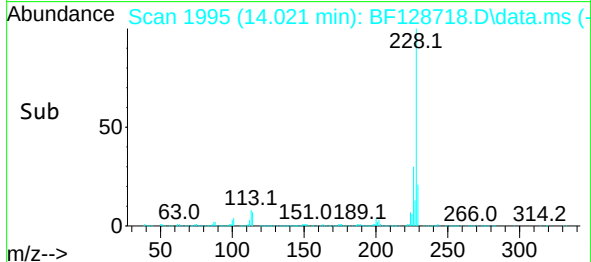
Instrument :
BNA_F
ClientSampleId :
TP-2



Tgt Ion:228 Resp: 197945
Ion Ratio Lower Upper
228 100
226 30.3 24.3 36.5
229 22.1 15.9 23.9

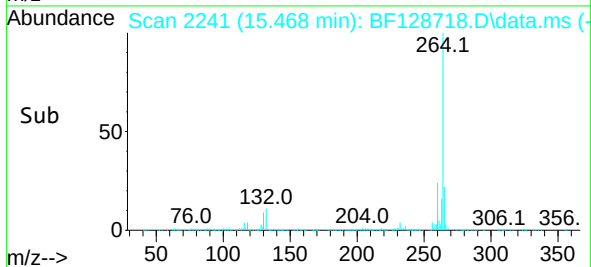
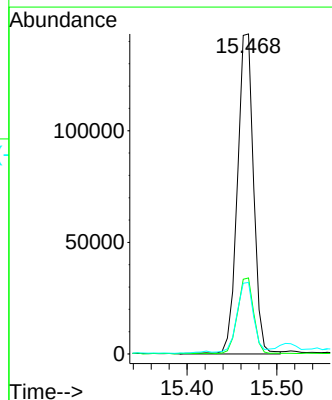
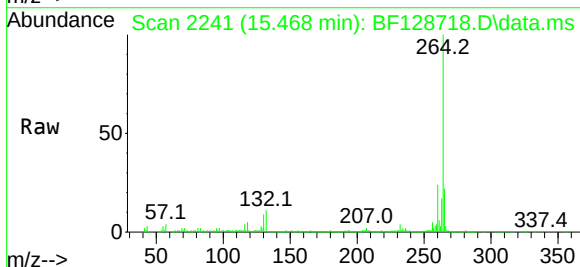
Manual Integrations
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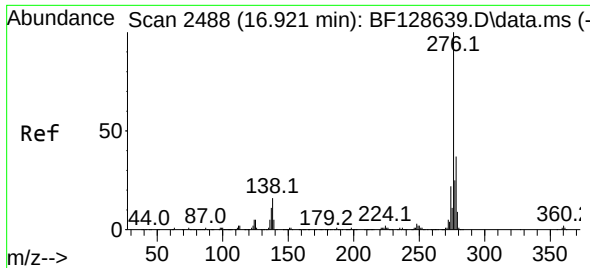
Reviewed By :Christian Giraldo 06/08/2022
Supervised By :Jagrut Upadhyay 06/08/2022



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.468 min Scan# 2241
Delta R.T. 0.006 min
Lab File: BF128718.D
Acq: 07 Jun 2022 16:17

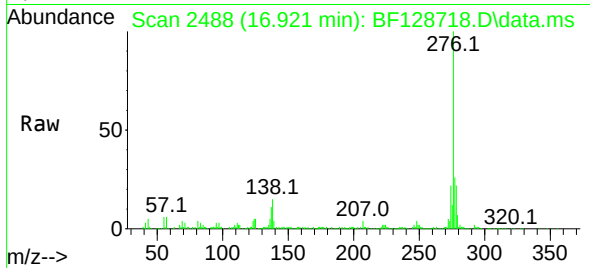
Tgt Ion:264 Resp: 179455
Ion Ratio Lower Upper
264 100
260 23.8 18.4 27.6
265 22.4 17.2 25.8





#87
Indeno(1,2,3-cd)pyrene
Concen: 11.139 ng
RT: 16.921 min Scan# 2488
Delta R.T. 0.000 min
Lab File: BF128718.D
Acq: 07 Jun 2022 16:17

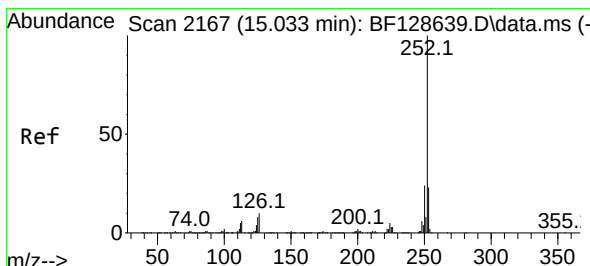
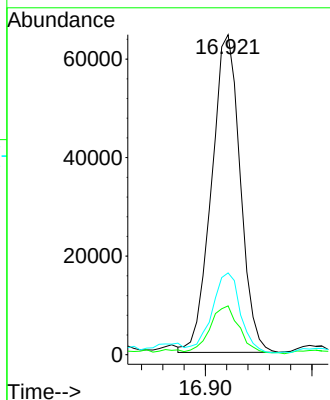
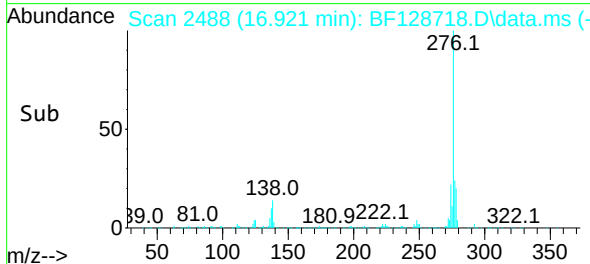
Instrument :
BNA_F
ClientSampleId :
TP-2



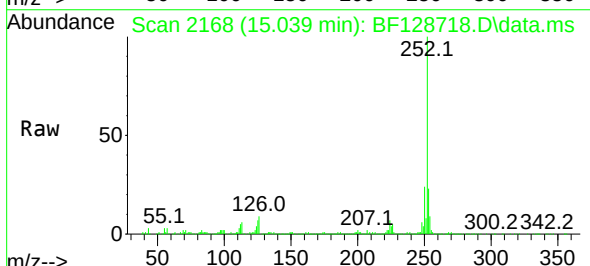
Tgt Ion:276 Resp: 120479
Ion Ratio Lower Upper
276 100
138 15.7 21.1 31.7
277 25.1 20.3 30.5

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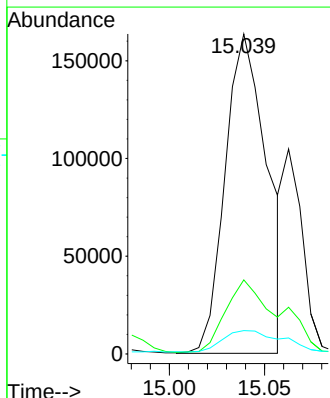
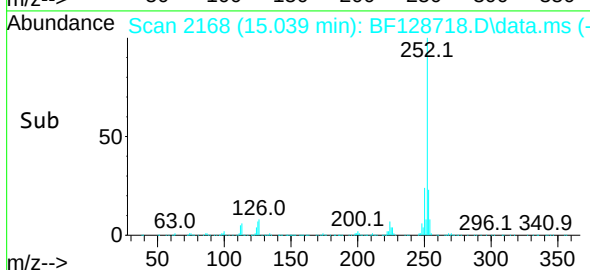
Reviewed By :Christian Giraldo 06/08/2022
Supervised By :Jagrut Upadhyay 06/08/2022

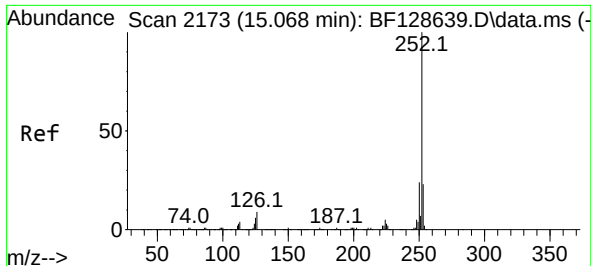


#88
Benzo(b)fluoranthene
Concen: 21.727 ng m
RT: 15.039 min Scan# 2168
Delta R.T. 0.006 min
Lab File: BF128718.D
Acq: 07 Jun 2022 16:17



Tgt Ion:252 Resp: 249146
Ion Ratio Lower Upper
252 100
253 23.1 17.7 26.5
125 7.3 8.0 12.0





#89

Benzo(k)fluoranthene

Concen: 6.637 ng m

RT: 15.063 min Scan# 2173

Delta R.T. -0.006 min

Lab File: BF128718.D

Acq: 07 Jun 2022 16:17

Instrument :

BNA_F

ClientSampleId :

TP-2

Tgt Ion:252 Resp: 71589

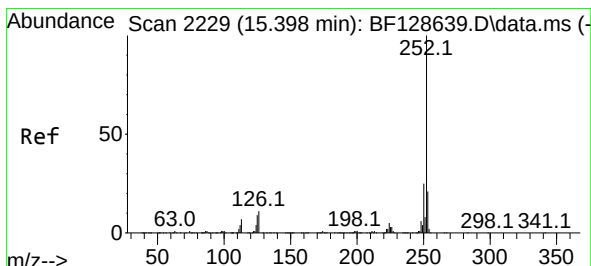
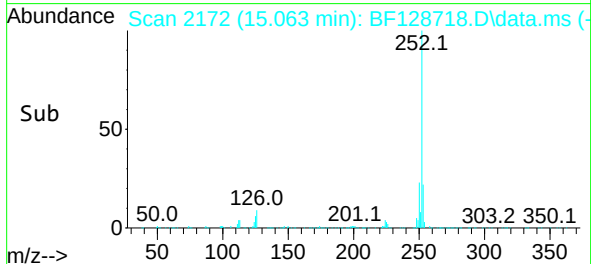
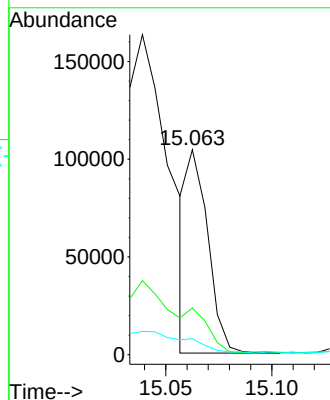
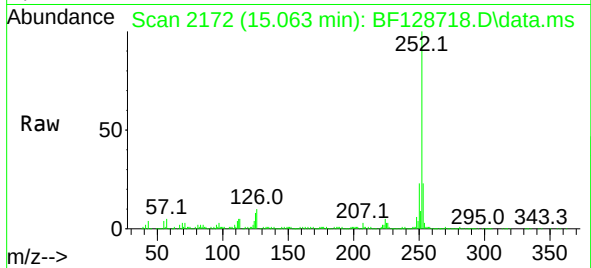
Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.8	26.6
125	7.8	8.3	12.5

Manual Integrations

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Reviewed By :Christian Giraldo 06/08/2022

Supervised By :Jagrut Upadhyay 06/08/2022



#90

Benzo(a)pyrene

Concen: 20.398 ng m

RT: 15.404 min Scan# 2230

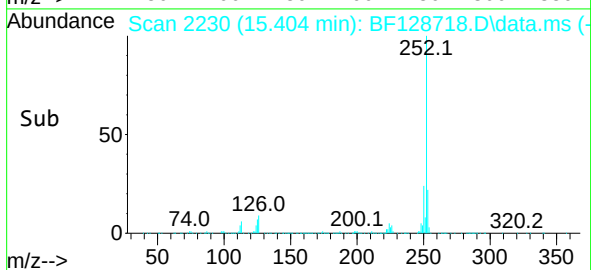
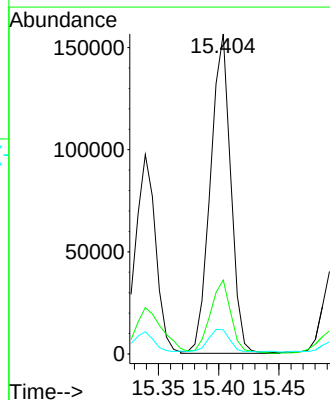
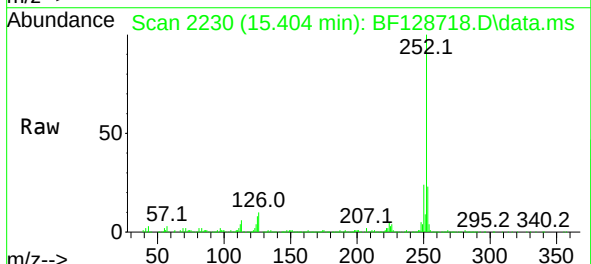
Delta R.T. 0.006 min

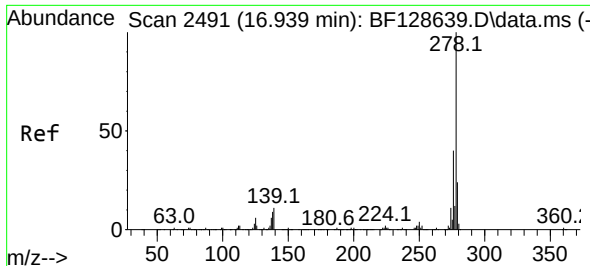
Lab File: BF128718.D

Acq: 07 Jun 2022 16:17

Tgt Ion:252 Resp: 183841

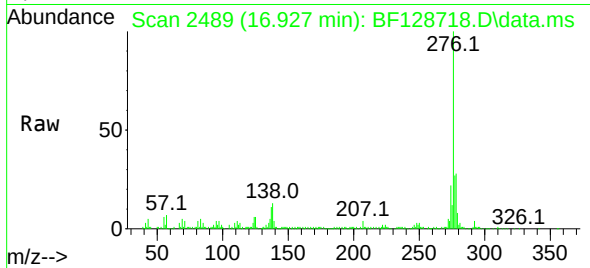
Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.0	25.6
125	7.6	8.8	13.2





#91
Dibenzo(a,h)anthracene
Concen: 3.612 ng
RT: 16.927 min Scan# 2491
Delta R.T. -0.012 min
Lab File: BF128718.D
Acq: 07 Jun 2022 16:17

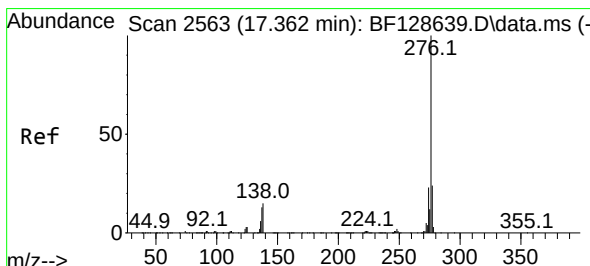
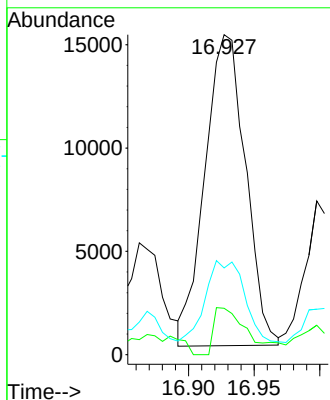
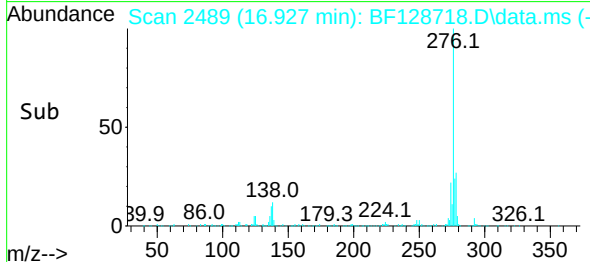
Instrument :
BNA_F
ClientSampleId :
TP-2



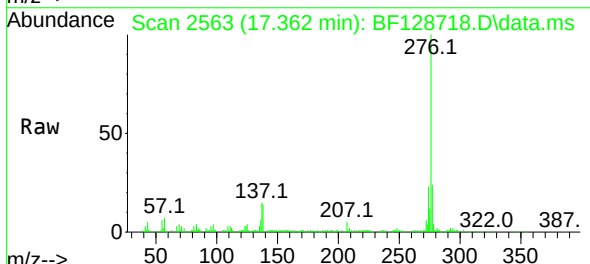
Tgt Ion: 278 Resp: 32404
Ion Ratio Lower Upper
278 100
139 14.5 12.8 19.2
279 27.1 18.6 28.0

Manual Integrations
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Reviewed By : Christian Giraldo 06/08/2022
Supervised By : Jagrut Upadhyay 06/08/2022



#92
Benzo(g,h,i)perylene
Concen: 12.411 ng
RT: 17.362 min Scan# 2563
Delta R.T. 0.000 min
Lab File: BF128718.D
Acq: 07 Jun 2022 16:17



Tgt Ion: 276 Resp: 110358
Ion Ratio Lower Upper
276 100
277 24.0 19.1 28.7
138 14.1 18.0 27.0#

