

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080322\
 Data File : BF129562.D
 Acq On : 04 Aug 2022 03:05
 Operator : CG\JU
 Sample : N4016-04
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MH-ES

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 08/04/2022
 Supervised By : Jagrut Upadhyay 08/05/2022

Quant Time: Aug 04 04:00:59 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	6.869	152	100451	20.000	ng	0.00
21) Naphthalene-d8	8.151	136	336981	20.000	ng	-0.01
39) Acenaphthene-d10	9.910	164	166724	20.000	ng	0.00
64) Phenanthrene-d10	11.398	188	317258	20.000	ng	# 0.00
76) Chrysene-d12	14.051	240	222866	20.000	ng	0.00
86) Perylene-d12	15.539	264	168149	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	731905	118.692	ng	0.00
7) Phenol-d6	6.516	99	823234	106.212	ng	0.00
23) Nitrobenzene-d5	7.433	82	494708	80.139	ng	-0.01
42) 2,4,6-Tribromophenol	10.704	330	204643	127.668	ng	0.00
45) 2-Fluorobiphenyl	9.227	172	791563	73.445	ng	0.00
79) Terphenyl-d14	12.986	244	952323	80.615	ng	0.00
Target Compounds						Qvalue
49) Acenaphthylene	9.769	152	100895	6.751	ng	100
52) Acenaphthene	9.939	154	24873	2.548	ng	96
58) Fluorene	10.457	166	21959	2.039	ng	98
71) Phenanthrene	11.427	178	707101	40.830	ng	99
72) Anthracene	11.474	178	162444	9.545	ng	97
73) Carbazole	11.633	167	79416	4.957	ng	97
75) Fluoranthene	12.621	202	1797287	102.425	ng	98
78) Pyrene	12.857	202	1636483	87.810	ng	99
81) Benzo(a)anthracene	14.039	228	799038	52.486	ng	98
83) Chrysene	14.074	228	682560	47.572	ng	97
87) Indeno(1,2,3-cd)pyrene	17.045	276	325759	28.769	ng	95
88) Benzo(b)fluoranthene	15.104	252	836307m	74.979	ng	
89) Benzo(k)fluoranthene	15.127	252	241693m	22.112	ng	
90) Benzo(a)pyrene	15.480	252	525640	58.054	ng	97
91) Dibenzo(a,h)anthracene	17.051	278	84835	9.205	ng	# 88
92) Benzo(g,h,i)perylene	17.503	276	306800	32.578	ng	98

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

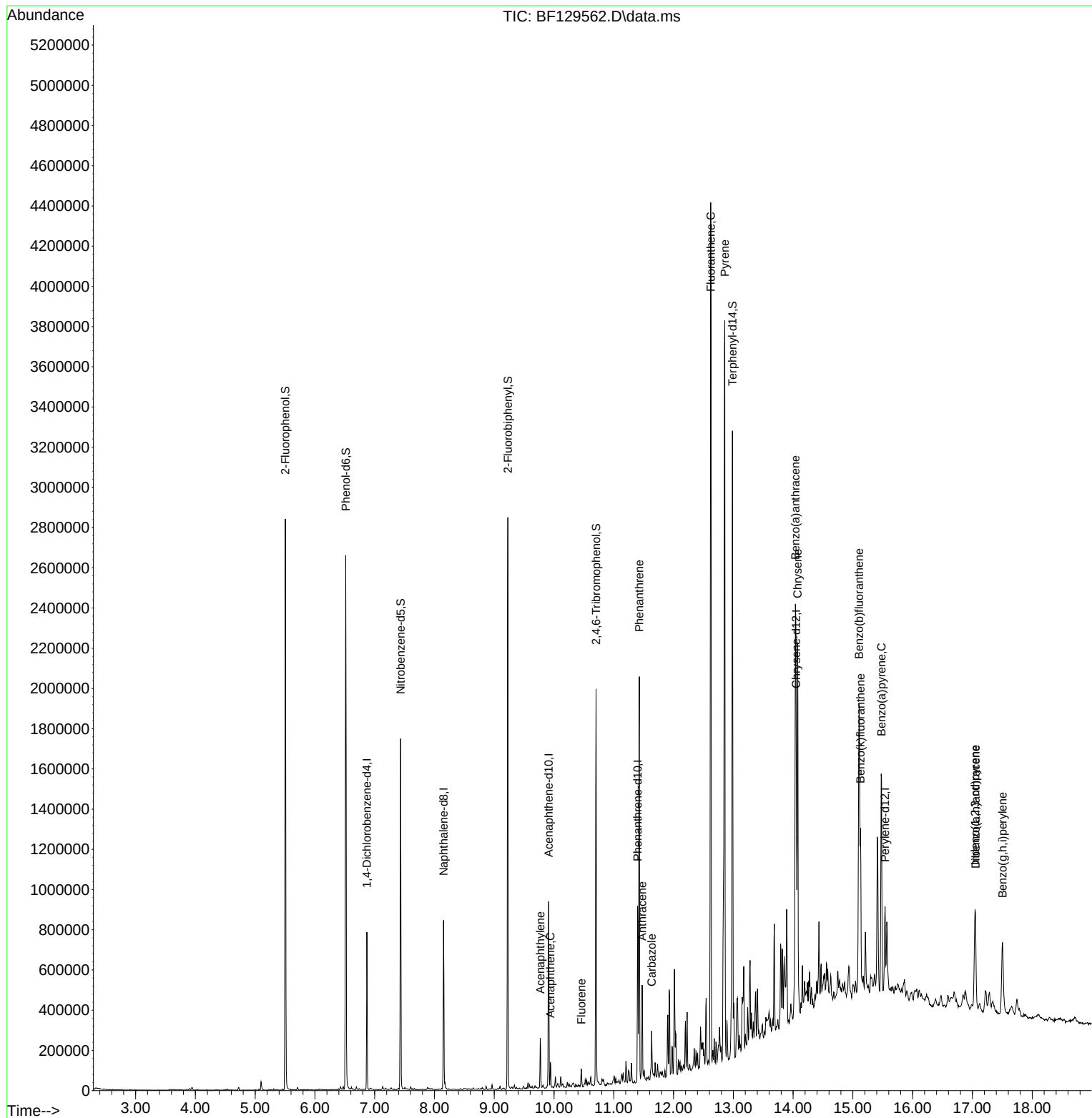
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080322\
Data File : BF129562.D
Acq On : 04 Aug 2022 03:05
Operator : CG\JU
Sample : N4016-04
Misc :
ALS Vial : 22 Sample Multiplier: 1

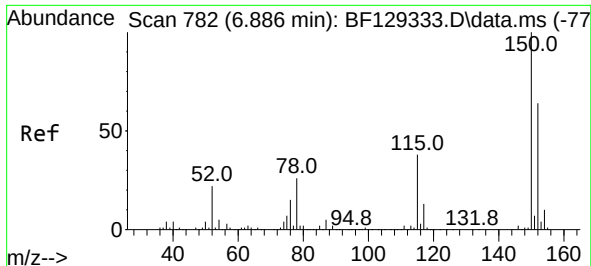
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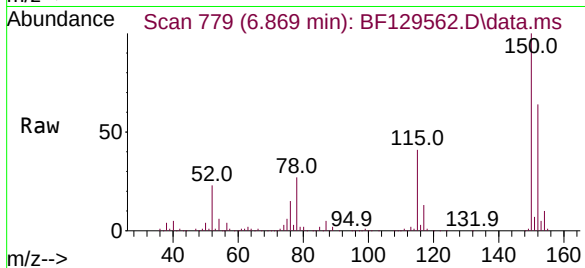
Quant Time: Aug 04 04:00:59 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF072522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 02 01:11:25 2022
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.869 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF129562.D
Acq: 04 Aug 2022 03:05

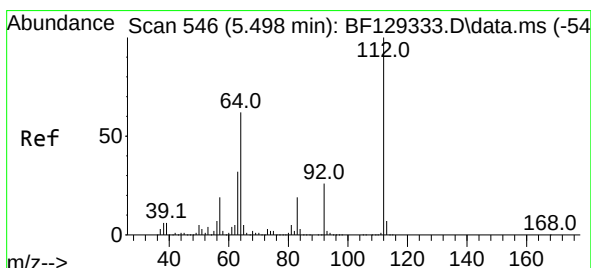
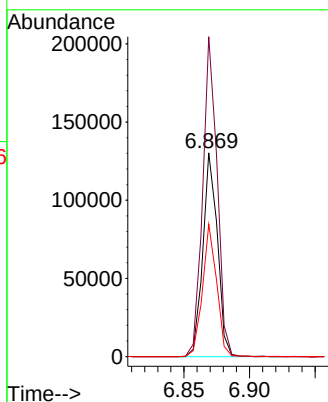
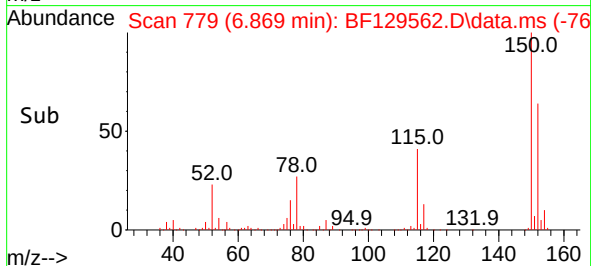
Instrument :
BNA_F
ClientSampleId :
MH-ES



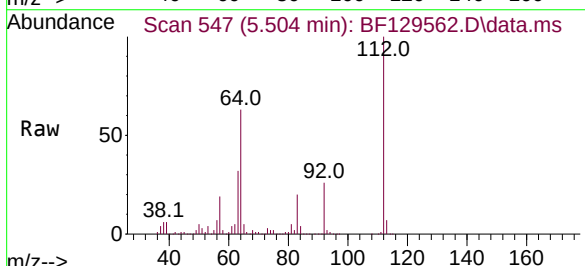
Tgt Ion:152 Resp: 100451
Ion Ratio Lower Upper
152 100
150 157.1 123.7 185.5
115 64.9 49.9 74.9

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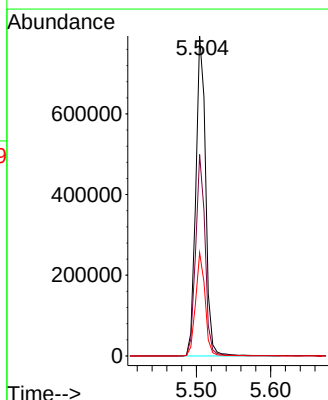
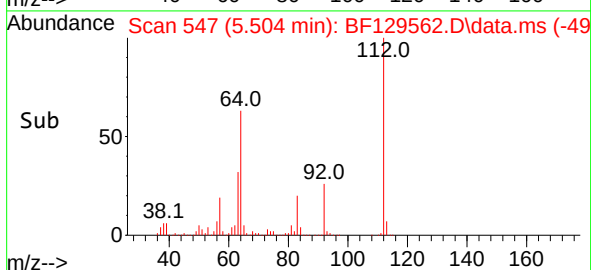
Reviewed By :Christian Giraldo 08/04/2022
Supervised By :Jagrut Upadhyay 08/05/2022

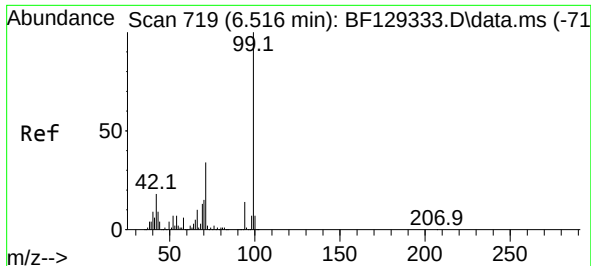


#5
2-Fluorophenol
Concen: 118.692 ng
RT: 5.504 min Scan# 547
Delta R.T. -0.000 min
Lab File: BF129562.D
Acq: 04 Aug 2022 03:05



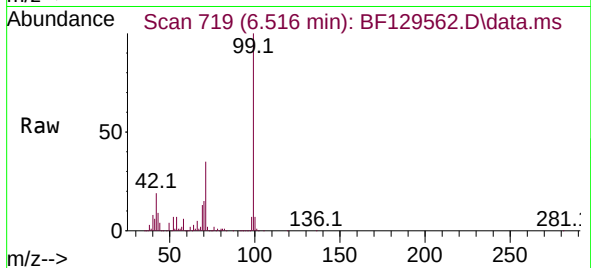
Tgt Ion:112 Resp: 731905
Ion Ratio Lower Upper
112 100
64 62.9 53.3 79.9
63 32.2 28.0 42.0





#7
Phenol-d6
Concen: 106.212 ng
RT: 6.516 min Scan# 719
Delta R.T. -0.006 min
Lab File: BF129562.D
Acq: 04 Aug 2022 03:05

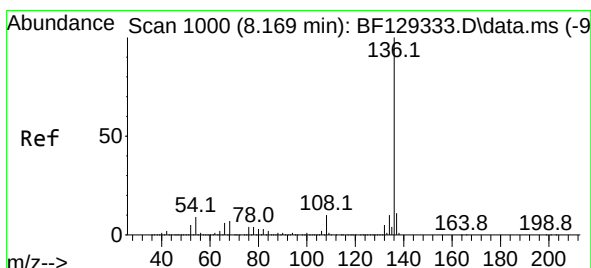
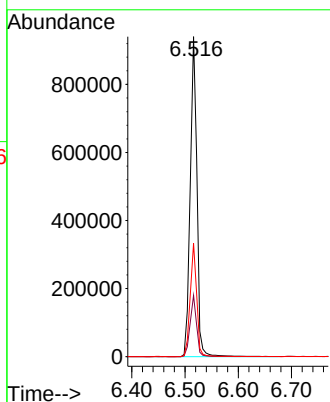
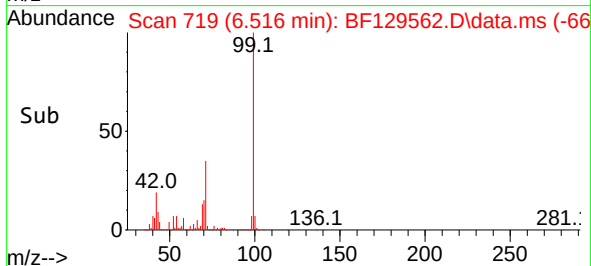
Instrument :
BNA_F
ClientSampleId :
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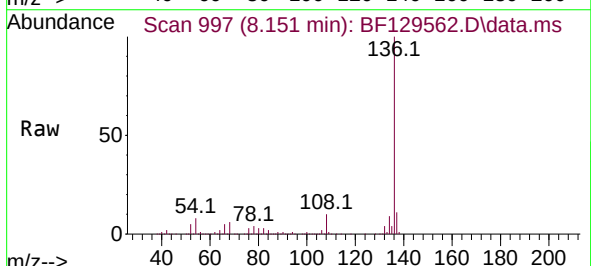
Tgt Ion: 99 Resp: 823234
Ion Ratio Lower Upper
99 100
42 19.1 17.3 25.9
71 35.4 28.9 43.3

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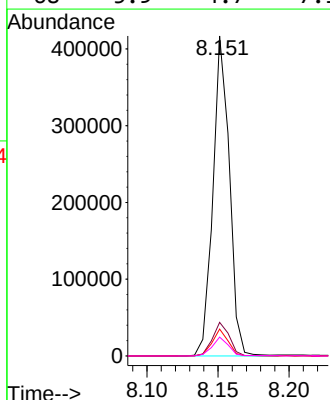
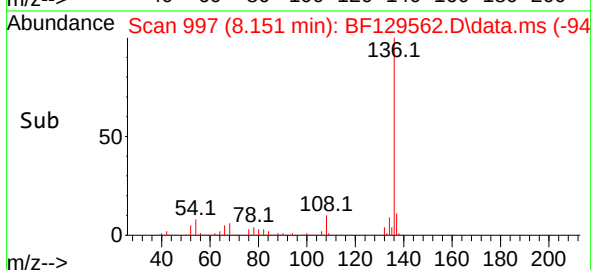
Reviewed By :Christian Giraldo 08/04/2022
Supervised By :Jagrut Upadhyay 08/05/2022

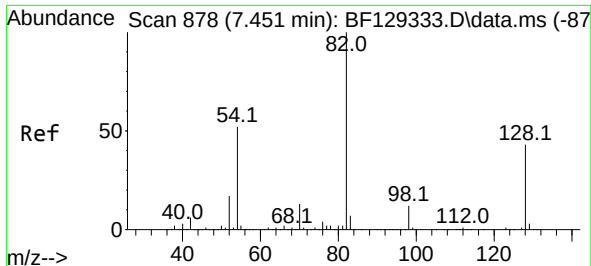


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.151 min Scan# 997
Delta R.T. -0.012 min
Lab File: BF129562.D
Acq: 04 Aug 2022 03:05



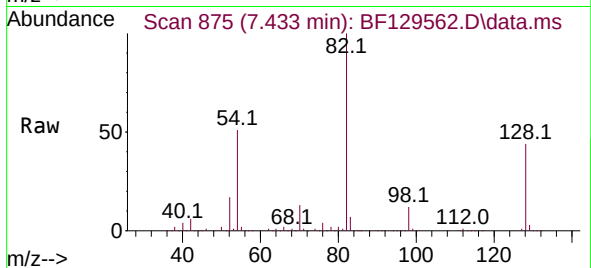
Tgt Ion:136 Resp: 336981
Ion Ratio Lower Upper
136 100
137 10.5 8.8 13.2
54 8.4 7.5 11.3
68 5.9 4.7 7.1





#23
Nitrobenzene-d5
Concen: 80.139 ng
RT: 7.433 min Scan# 81
Delta R.T. -0.012 min
Lab File: BF129562.D
Acq: 04 Aug 2022 03:05

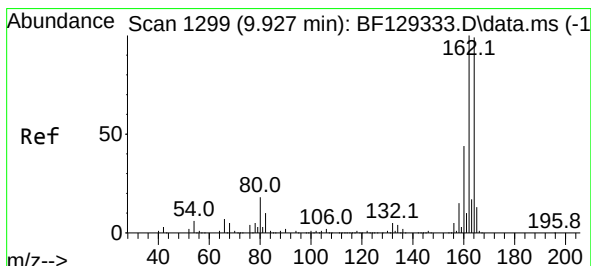
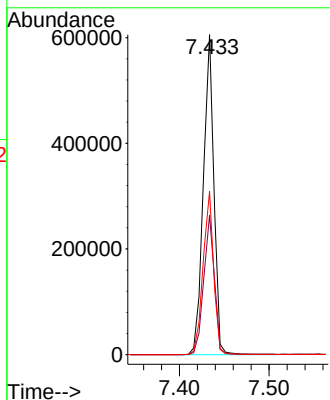
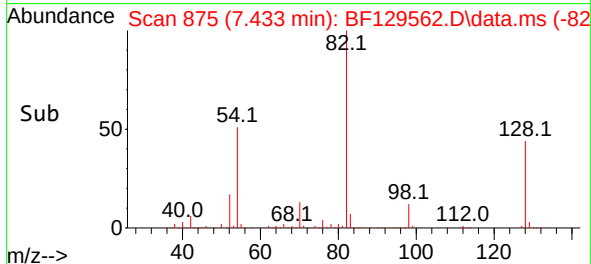
Instrument :
BNA_F
ClientSampleId :
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Tgt Ion: 82 Resp: 494708
Ion Ratio Lower Upper
82 100
128 43.6 34.0 51.0
54 51.0 46.9 70.3

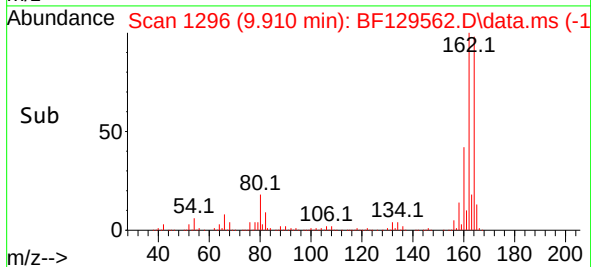
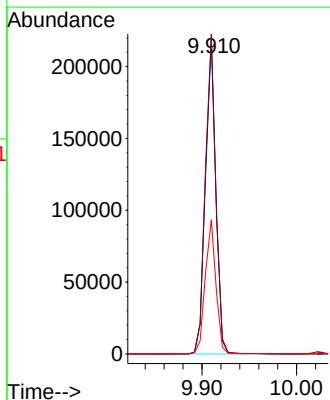
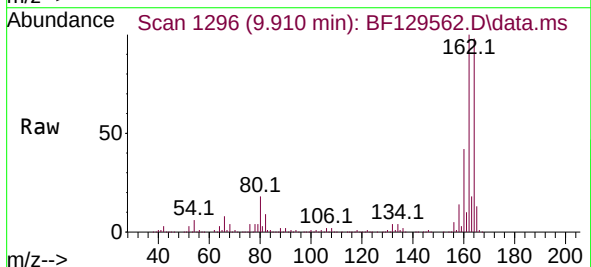
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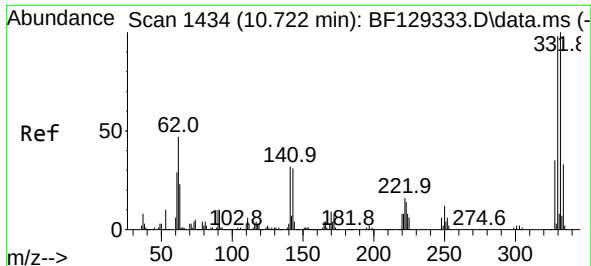
Reviewed By :Christian Giraldo 08/04/2022
Supervised By :Jagrut Upadhyay 08/05/2022



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.910 min Scan# 1296
Delta R.T. -0.006 min
Lab File: BF129562.D
Acq: 04 Aug 2022 03:05

Tgt Ion:164 Resp: 166724
Ion Ratio Lower Upper
164 100
162 101.6 79.5 119.3
160 42.6 34.2 51.4





#42
2,4,6-Tribromophenol
Concen: 127.668 ng
RT: 10.704 min Scan# 1434
Delta R.T. -0.006 min
Lab File: BF129562.D
Acq: 04 Aug 2022 03:05

Instrument :

BNA_F

ClientSampleId :

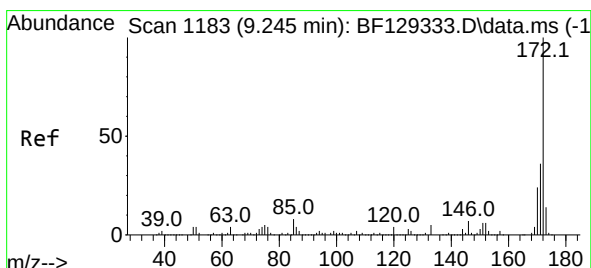
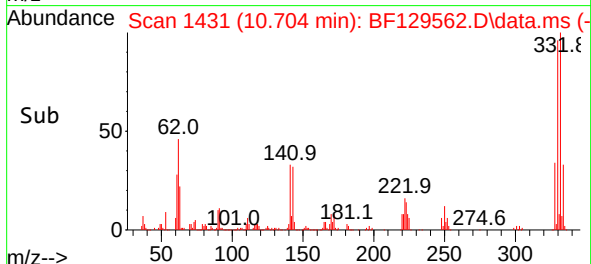
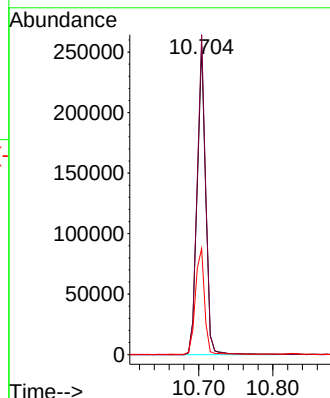
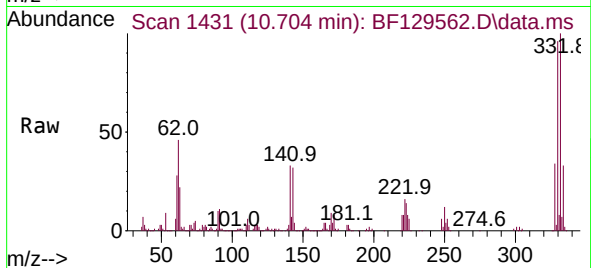
MH-ES

Tgt Ion: 330 Resp: 204643
Ion Ratio Lower Upper
330 100
332 102.9 76.8 115.2
141 37.3 28.0 42.0

Manual Integrations

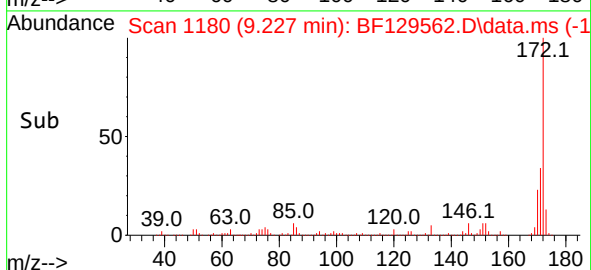
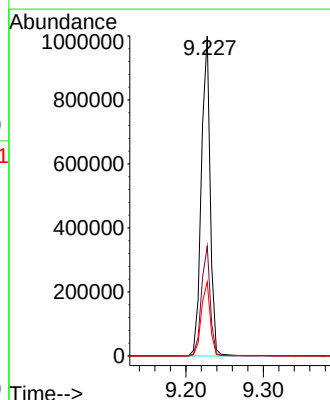
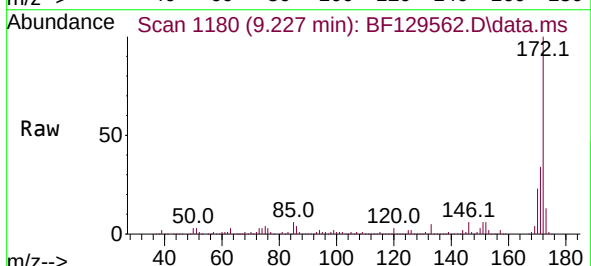
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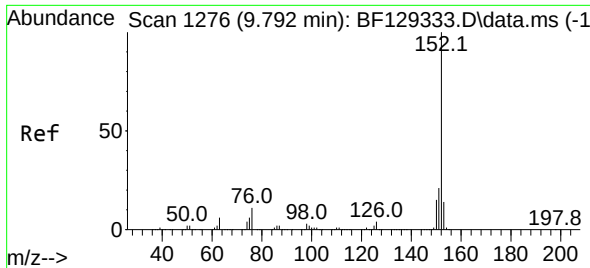
Reviewed By : Christian Giraldo 08/04/2022
Supervised By : Jagrut Upadhyay 08/05/2022



#45
2-Fluorobiphenyl
Concen: 73.445 ng
RT: 9.227 min Scan# 1180
Delta R.T. -0.006 min
Lab File: BF129562.D
Acq: 04 Aug 2022 03:05

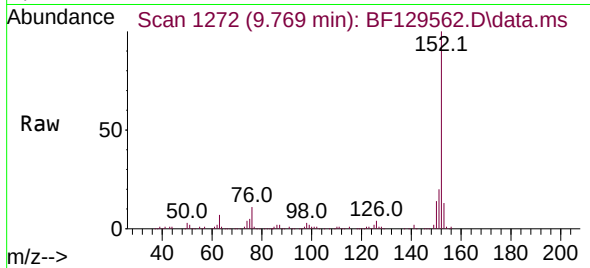
Tgt Ion: 172 Resp: 791563
Ion Ratio Lower Upper
172 100
171 34.3 28.8 43.2
170 23.1 19.8 29.8





#49
Acenaphthylene
Concen: 6.751 ng
RT: 9.769 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF129562.D
Acq: 04 Aug 2022 03:05

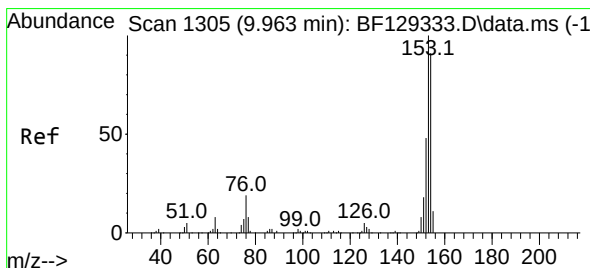
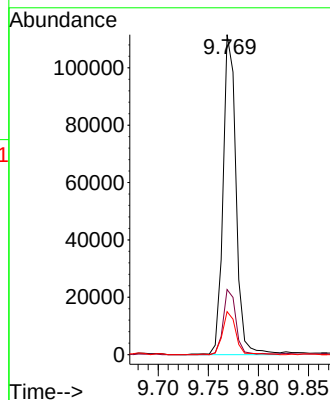
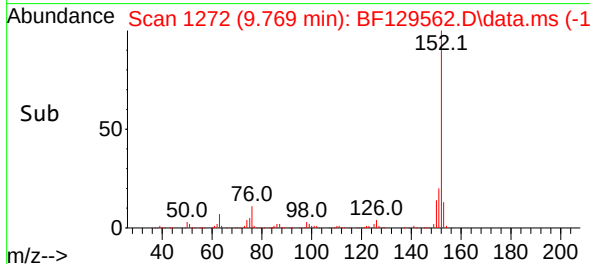
Instrument :
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ClientSampleId :
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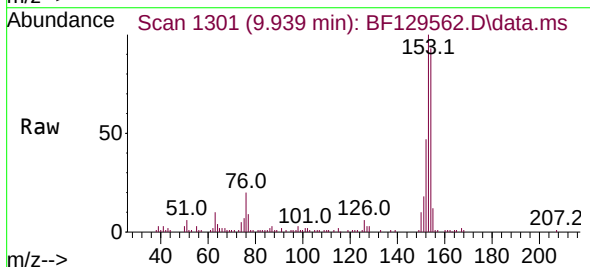
Tgt Ion:152 Resp: 100895
Ion Ratio Lower Upper
152 100
151 20.3 16.2 24.4
153 13.4 10.7 16.1

Manual Integrations
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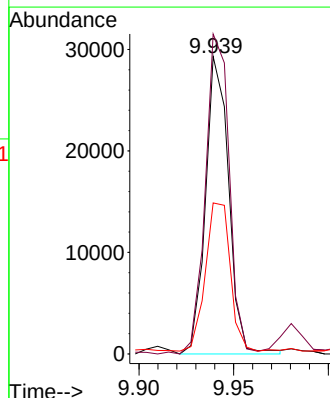
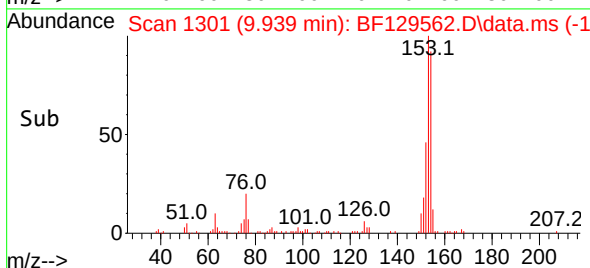
Reviewed By :Christian Giraldo 08/04/2022
Supervised By :Jagrut Upadhyay 08/05/2022

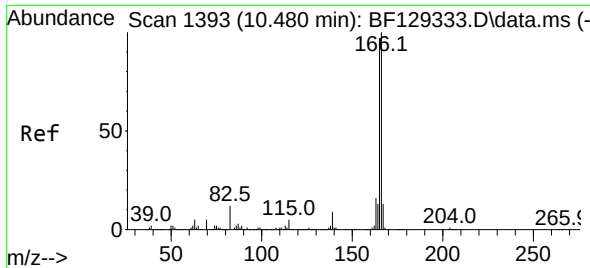


#52
Acenaphthene
Concen: 2.548 ng
RT: 9.939 min Scan# 1301
Delta R.T. -0.012 min
Lab File: BF129562.D
Acq: 04 Aug 2022 03:05



Tgt Ion:154 Resp: 24873
Ion Ratio Lower Upper
154 100
153 107.6 89.6 134.4
152 50.8 42.4 63.6





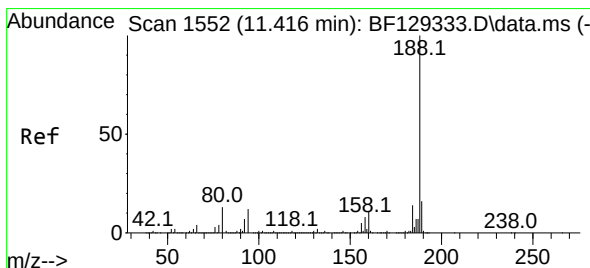
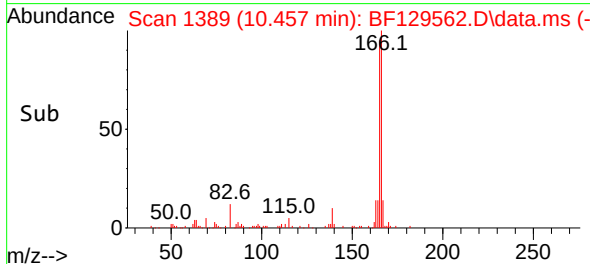
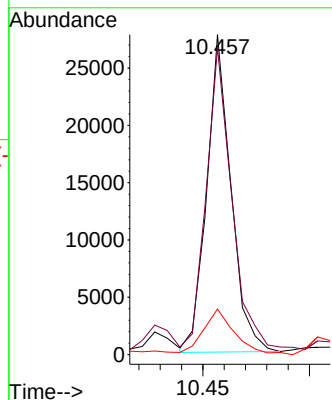
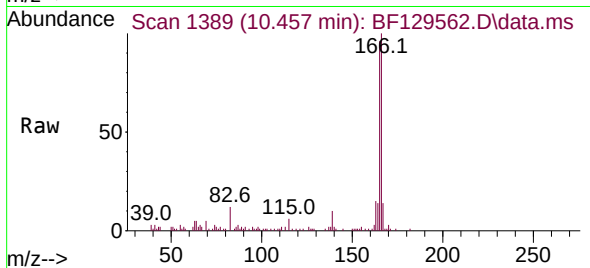
#58
Fluorene
Concen: 2.039 ng
RT: 10.457 min Scan# 1393
Delta R.T. -0.012 min
Lab File: BF129562.D
Acq: 04 Aug 2022 03:05

Instrument :
BNA_F
ClientSampleId :
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Tgt Ion:166 Resp: 21959
Ion Ratio Lower Upper
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165 95.9 78.1 117.1
167 14.2 10.5 15.7

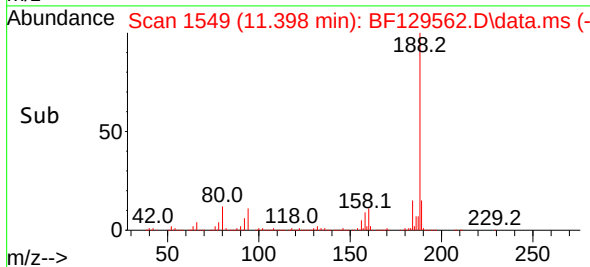
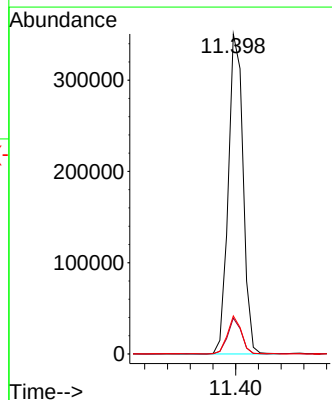
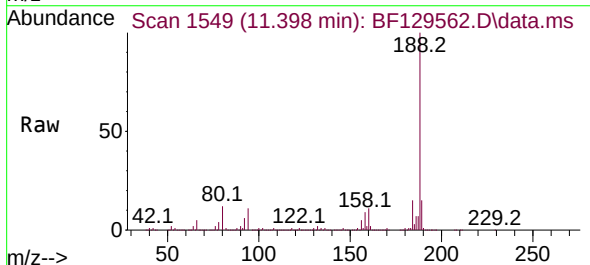
Manual Integrations
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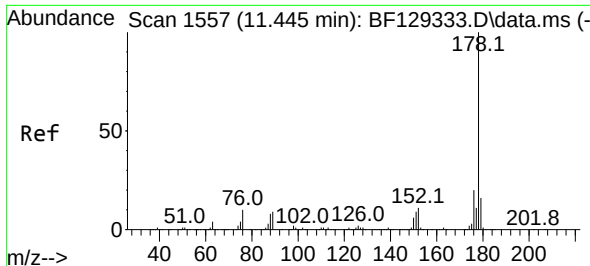
Reviewed By :Christian Giraldo 08/04/2022
Supervised By :Jagrut Upadhyay 08/05/2022



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.398 min Scan# 1549
Delta R.T. -0.006 min
Lab File: BF129562.D
Acq: 04 Aug 2022 03:05

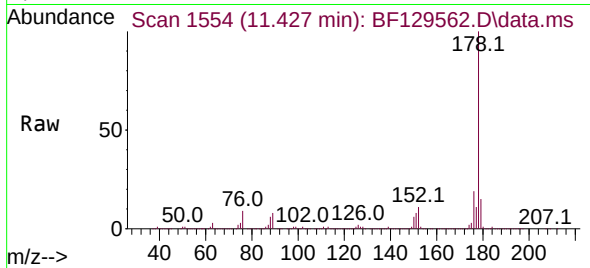
Tgt Ion:188 Resp: 317258
Ion Ratio Lower Upper
188 100
94 11.2 7.0 10.6#
80 11.9 7.6 11.4#





#71
Phenanthrene
Concen: 40.830 ng
RT: 11.427 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF129562.D
Acq: 04 Aug 2022 03:05

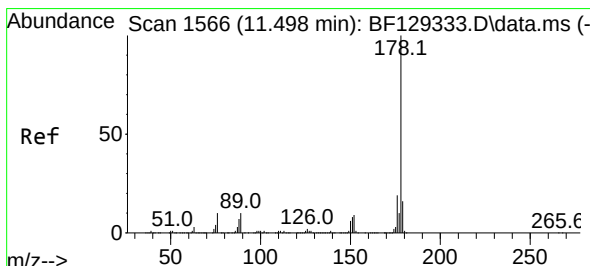
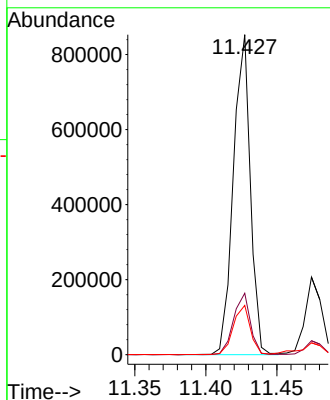
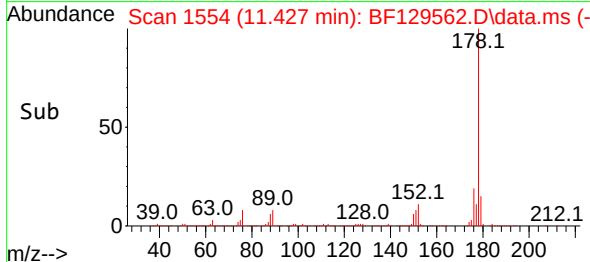
Instrument :
BNA_F
ClientSampleId :
MH-ES



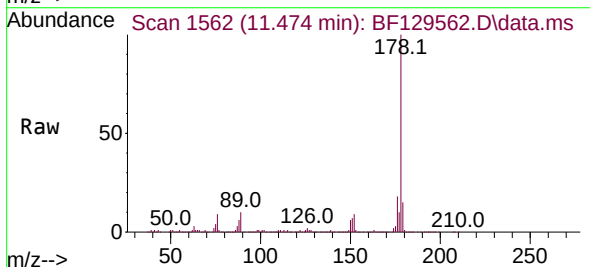
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Ion Ratio Lower Upper
178 100
176 19.2 16.0 24.0
179 15.4 12.6 19.0

Manual Integrations
APPROVED

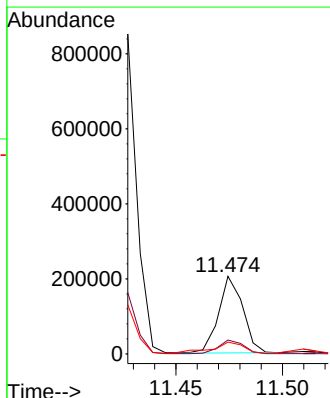
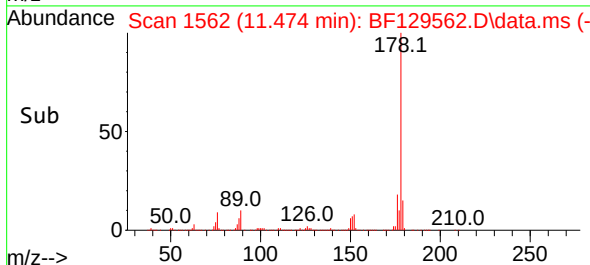
Reviewed By :Christian Giraldo 08/04/2022
Supervised By :Jagrut Upadhyay 08/05/2022

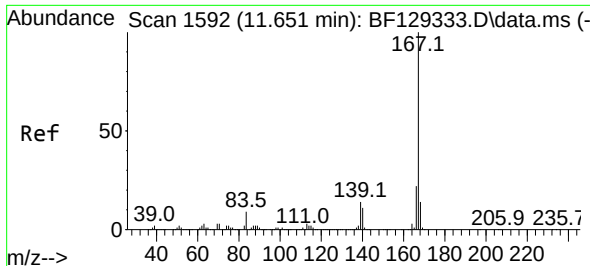


#72
Anthracene
Concen: 9.545 ng
RT: 11.474 min Scan# 1562
Delta R.T. -0.006 min
Lab File: BF129562.D
Acq: 04 Aug 2022 03:05



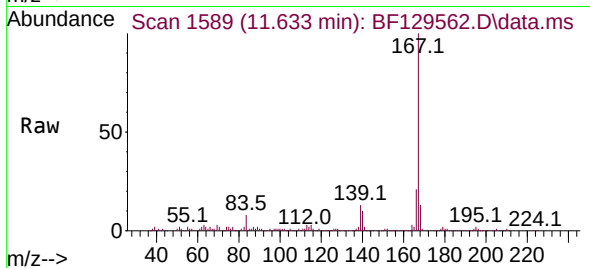
Tgt Ion:178 Resp: 162444
Ion Ratio Lower Upper
178 100
176 17.8 15.4 23.2
179 15.2 12.6 19.0





#73
 Carbazole
 Concen: 4.957 ng
 RT: 11.633 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF129562.D
 Acq: 04 Aug 2022 03:05

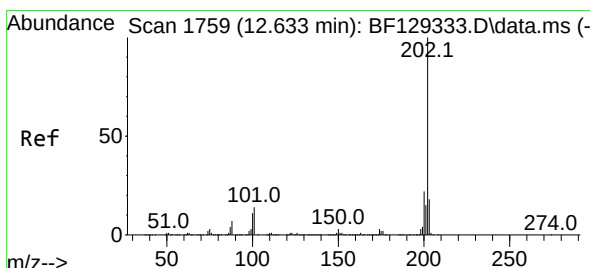
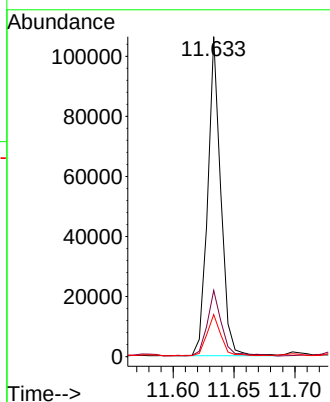
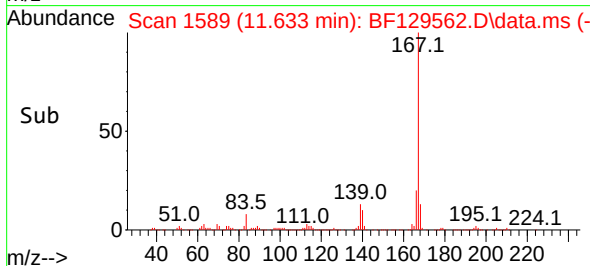
Instrument :
 BNA_F
 ClientSampleId :
 MH-ES



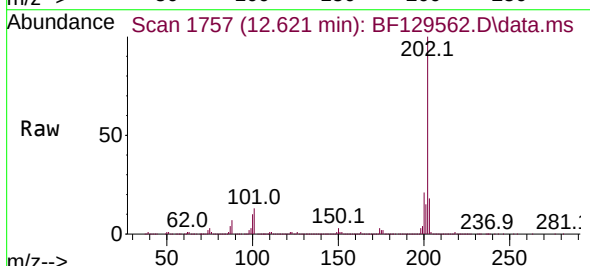
Tgt Ion:167 Resp: 79416
 Ion Ratio Lower Upper
 167 100
 166 20.7 17.7 26.5
 139 13.1 11.2 16.8

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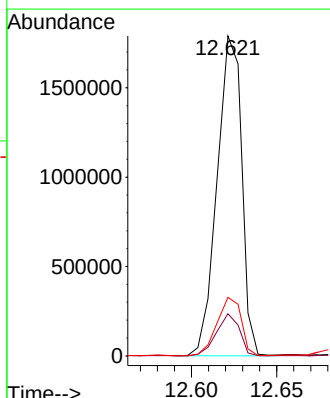
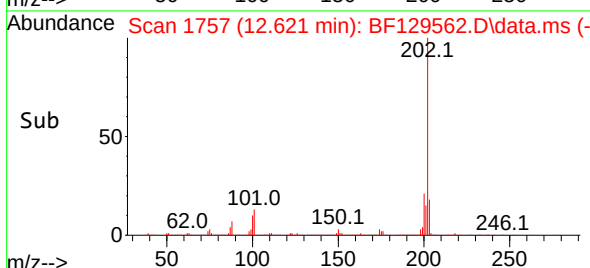
Reviewed By :Christian Giraldo 08/04/2022
 Supervised By :Jagrut Upadhyay 08/05/2022

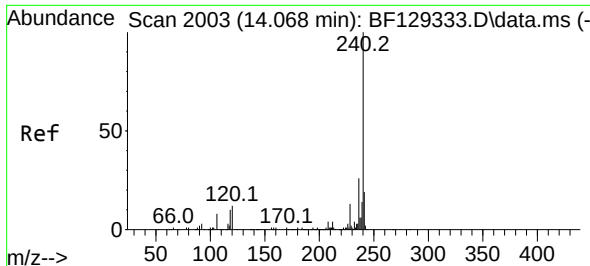


#75
 Fluoranthene
 Concen: 102.425 ng
 RT: 12.621 min Scan# 1757
 Delta R.T. -0.000 min
 Lab File: BF129562.D
 Acq: 04 Aug 2022 03:05



Tgt Ion:202 Resp: 1797287
 Ion Ratio Lower Upper
 202 100
 101 13.2 0.0 31.4
 203 18.3 0.0 38.0





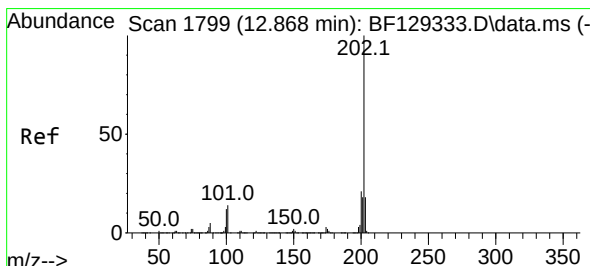
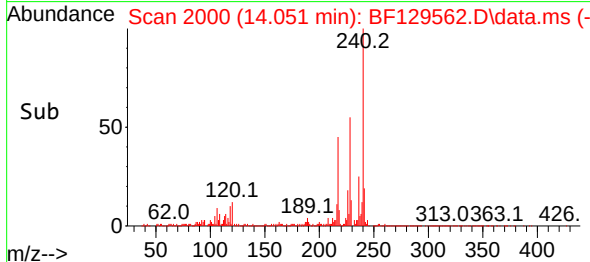
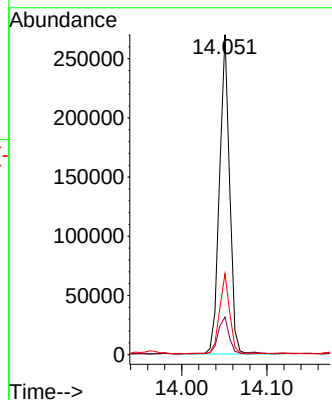
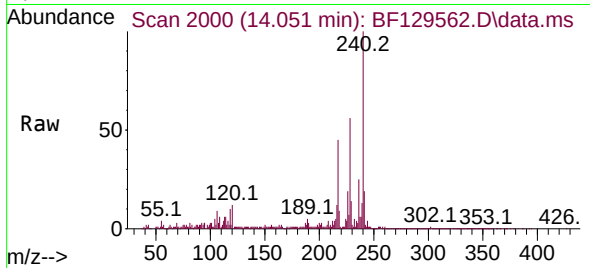
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2000
Delta R.T. -0.000 min
Lab File: BF129562.D
Acq: 04 Aug 2022 03:05

Instrument :
BNA_F
ClientSampleId :
MH-ES

Tgt Ion:240 Resp: 222866
Ion Ratio Lower Upper
240 100
120 11.7 8.9 13.3
236 25.3 20.8 31.2

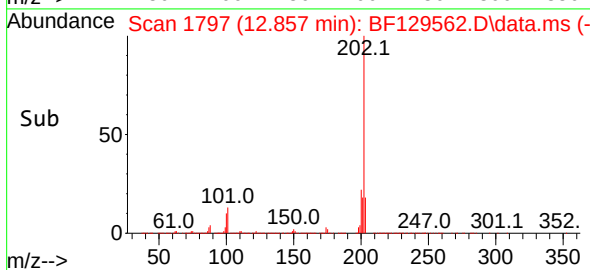
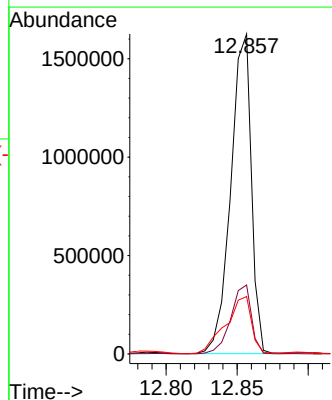
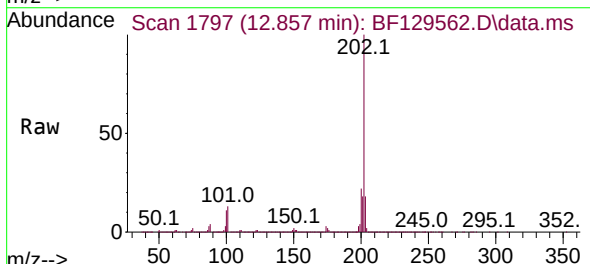
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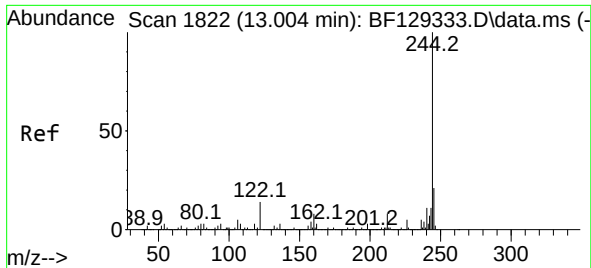
Reviewed By :Christian Giraldo 08/04/2022
Supervised By :Jagrut Upadhyay 08/05/2022



#78
Pyrene
Concen: 87.810 ng
RT: 12.857 min Scan# 1797
Delta R.T. 0.006 min
Lab File: BF129562.D
Acq: 04 Aug 2022 03:05

Tgt Ion:202 Resp: 1636483
Ion Ratio Lower Upper
202 100
200 21.5 17.7 26.5
203 17.9 14.6 21.8





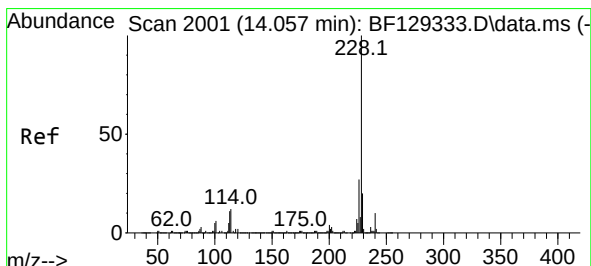
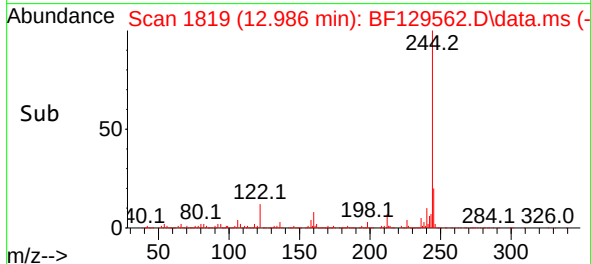
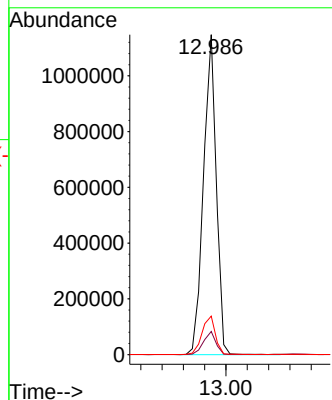
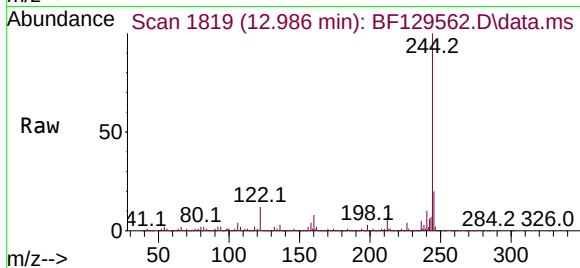
#79
 Terphenyl-d14
 Concen: 80.615 ng
 RT: 12.986 min Scan# 1822
 Delta R.T. -0.000 min
 Lab File: BF129562.D
 Acq: 04 Aug 2022 03:05

Instrument :
 BNA_F
 ClientSampleId :
 MH-ES

Tgt Ion:244 Resp: 952323
 Ion Ratio Lower Upper
 244 100
 212 7.2 6.1 9.1
 122 12.0 8.8 13.2

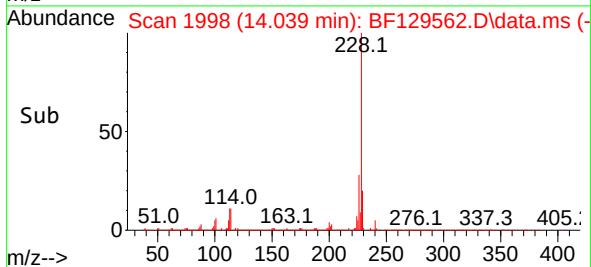
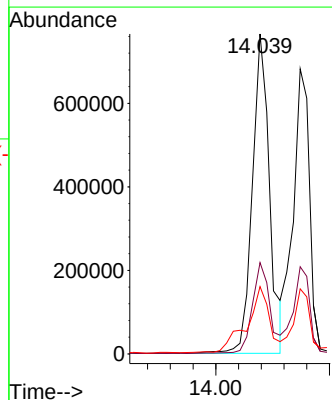
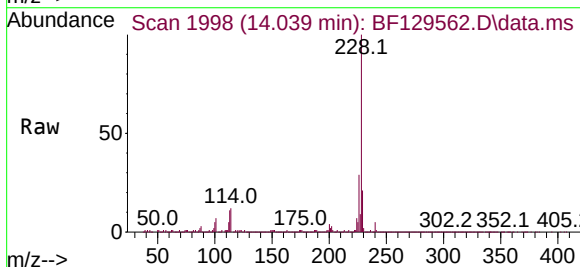
Manual Integrations
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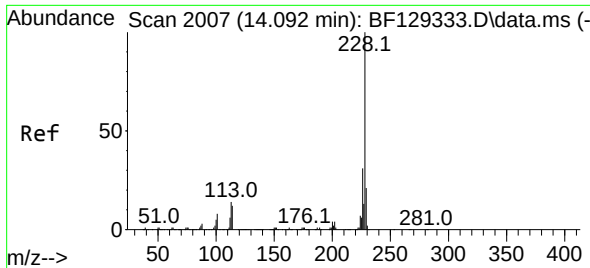
Reviewed By :Christian Giraldo 08/04/2022
 Supervised By :Jagrut Upadhyay 08/05/2022



#81
 Benzo(a)anthracene
 Concen: 52.486 ng
 RT: 14.039 min Scan# 1998
 Delta R.T. -0.000 min
 Lab File: BF129562.D
 Acq: 04 Aug 2022 03:05

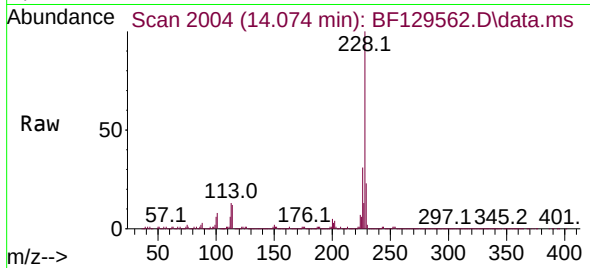
Tgt Ion:228 Resp: 799038
 Ion Ratio Lower Upper
 228 100
 226 28.5 22.1 33.1
 229 21.0 15.8 23.8





#83
Chrysene
Concen: 47.572 ng
RT: 14.074 min Scan# 2007
Delta R.T. -0.000 min
Lab File: BF129562.D
Acq: 04 Aug 2022 03:05

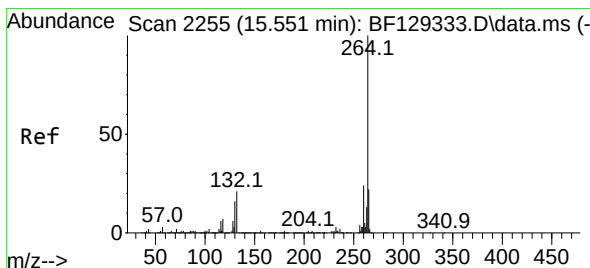
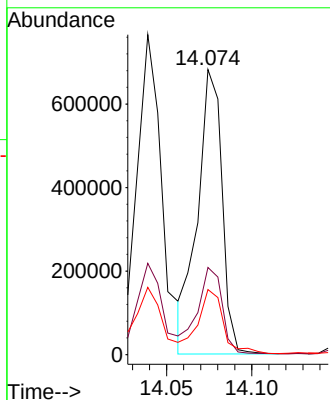
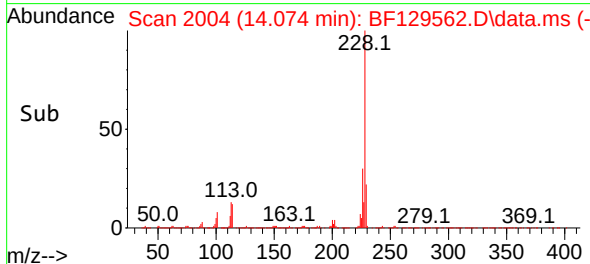
Instrument :
BNA_F
ClientSampleId :
MH-ES



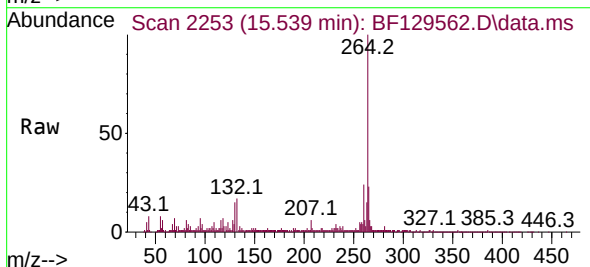
Tgt Ion:228 Resp: 682560
Ion Ratio Lower Upper
228 100
226 30.6 24.3 36.5
229 22.9 15.9 23.9

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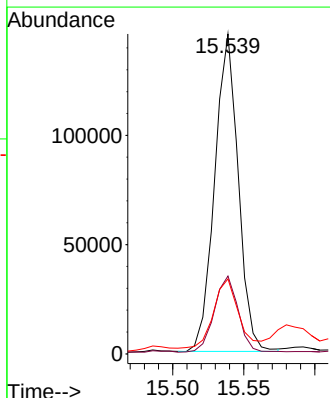
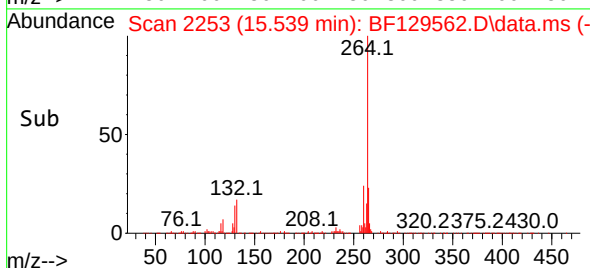
Reviewed By :Christian Giraldo 08/04/2022
Supervised By :Jagrut Upadhyay 08/05/2022

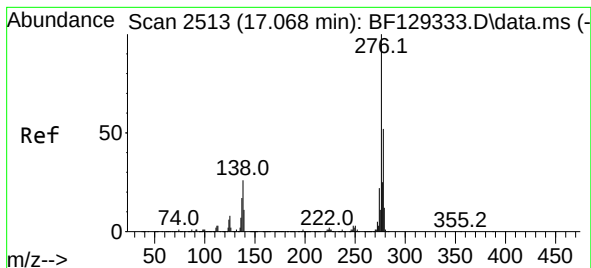


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.539 min Scan# 2253
Delta R.T. 0.012 min
Lab File: BF129562.D
Acq: 04 Aug 2022 03:05



Tgt Ion:264 Resp: 168149
Ion Ratio Lower Upper
264 100
260 24.3 18.4 27.6
265 23.4 17.2 25.8





#87

Indeno(1,2,3-cd)pyrene

Concen: 28.769 ng

RT: 17.045 min Scan# 2179

Delta R.T. 0.012 min

Lab File: BF129562.D

Acq: 04 Aug 2022 03:05

Instrument :

BNA_F

ClientSampleId :

MH-ES

Tgt Ion: 276 Resp: 325759

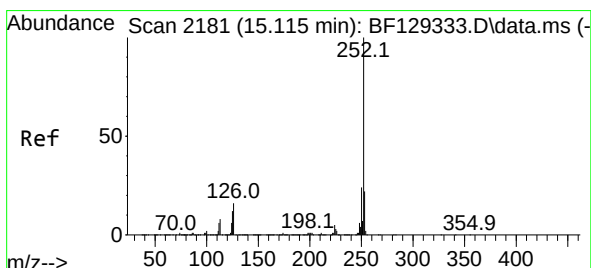
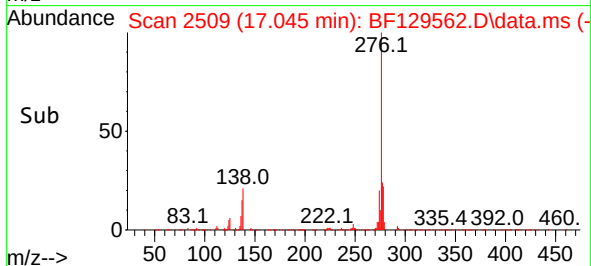
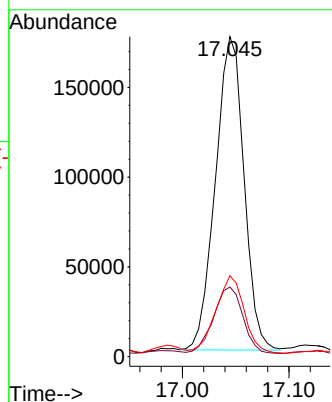
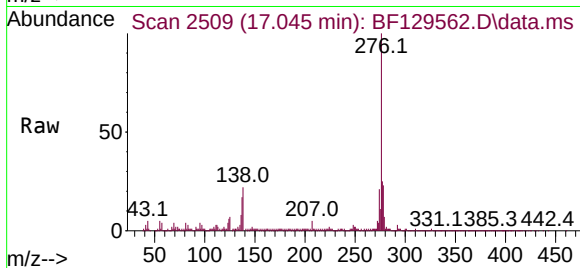
Ion	Ratio	Lower	Upper
276	100		
138	22.2	21.1	31.7
277	24.8	20.3	30.5

Manual Integrations

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Reviewed By : Christian Giraldo 08/04/2022

Supervised By : Jagrut Upadhyay 08/05/2022



#88

Benzo(b)fluoranthene

Concen: 74.979 ng m

RT: 15.104 min Scan# 2179

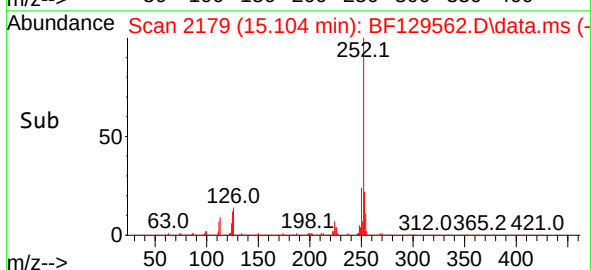
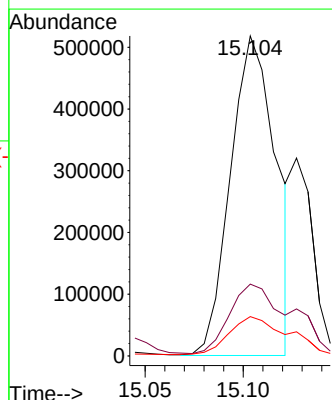
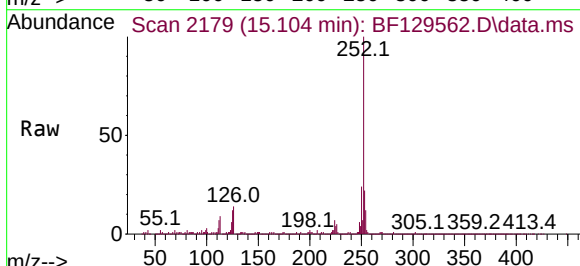
Delta R.T. 0.012 min

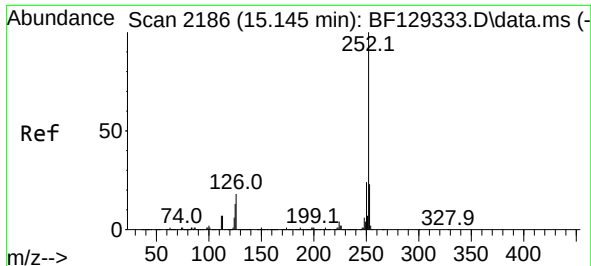
Lab File: BF129562.D

Acq: 04 Aug 2022 03:05

Tgt Ion: 252 Resp: 836307

Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.7	26.5
125	12.3	8.0	12.0





#89

Benzo(k)fluoranthene

Concen: 22.112 ng m

RT: 15.127 min Scan# 2186

Delta R.T. 0.006 min

Lab File: BF129562.D

Acq: 04 Aug 2022 03:05

Instrument :

BNF

ClientSampleId :

MH-ES

Tgt Ion:252 Resp: 241693

Ion Ratio Lower Upper

252 100

253 23.8 17.8 26.6

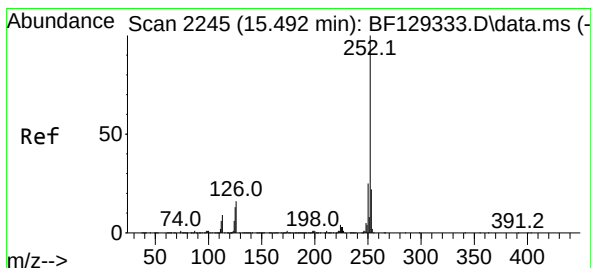
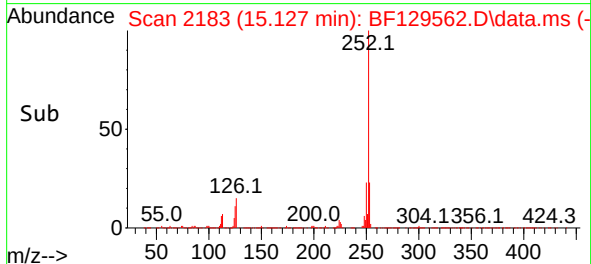
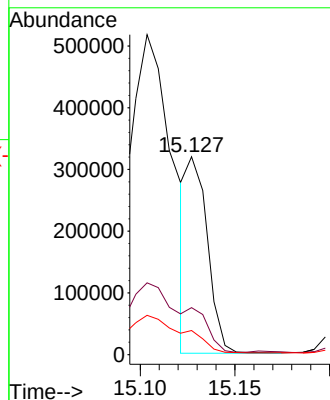
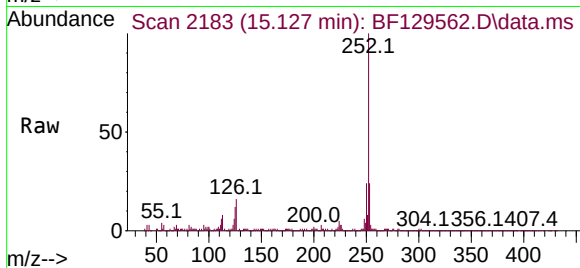
125 12.2 8.3 12.5

Manual Integrations

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Reviewed By :Christian Giraldo 08/04/2022

Supervised By :Jagrut Upadhyay 08/05/2022



#90

Benzo(a)pyrene

Concen: 58.054 ng

RT: 15.480 min Scan# 2243

Delta R.T. 0.012 min

Lab File: BF129562.D

Acq: 04 Aug 2022 03:05

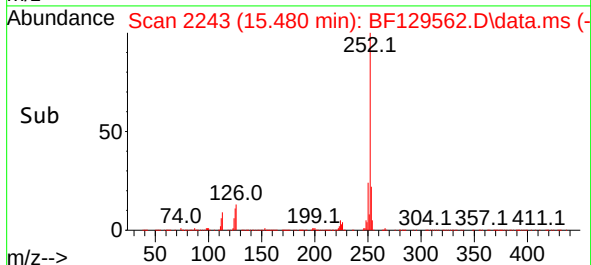
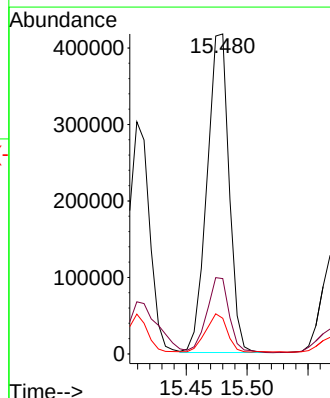
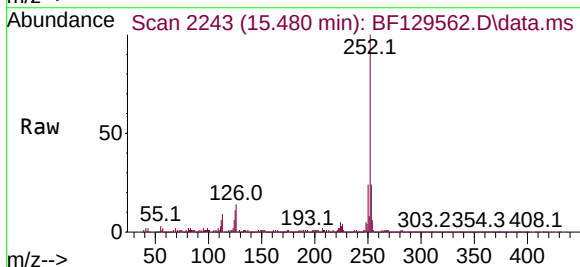
Tgt Ion:252 Resp: 525640

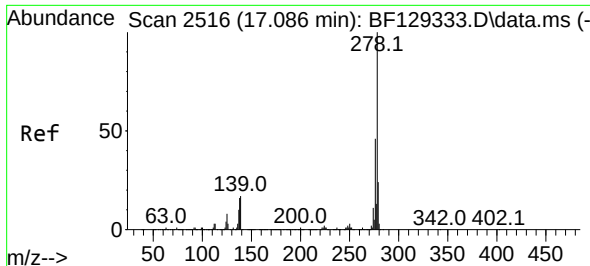
Ion Ratio Lower Upper

252 100

253 23.5 17.0 25.6

125 11.1 8.8 13.2





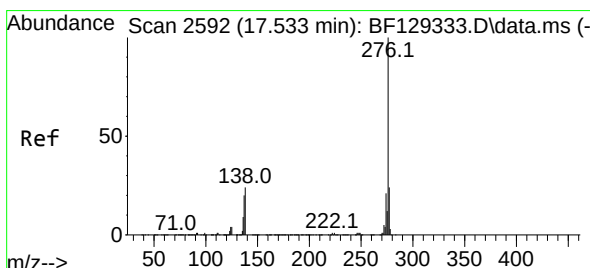
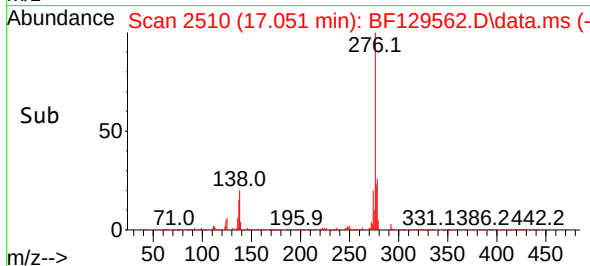
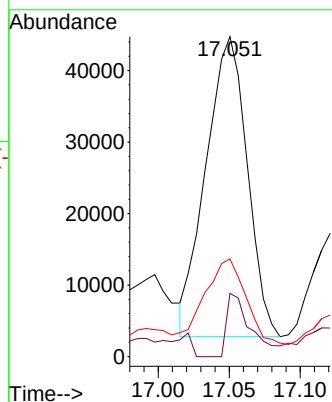
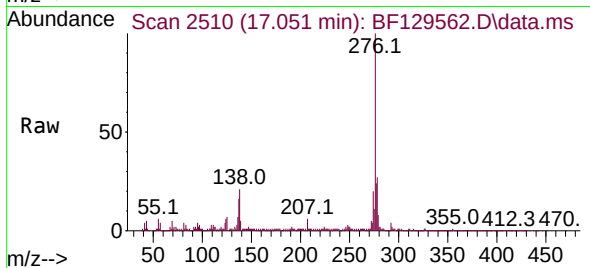
#91
 Dibenzo(a,h)anthracene
 Concen: 9.205 ng
 RT: 17.051 min Scan# 2510
 Delta R.T. 0.006 min
 Lab File: BF129562.D
 Acq: 04 Aug 2022 03:05

Instrument :
 BNA_F
 ClientSampleId :
 MH-ES

Tgt Ion:278 Resp: 84835
 Ion Ratio Lower Upper
 278 100
 139 19.8 12.8 19.2
 279 30.5 18.6 28.0

Manual Integrations
 APPROVED

Reviewed By :Christian Giraldo 08/04/2022
 Supervised By :Jagrut Upadhyay 08/05/2022



#92
 Benzo(g,h,i)perylene
 Concen: 32.578 ng
 RT: 17.503 min Scan# 2587
 Delta R.T. 0.012 min
 Lab File: BF129562.D
 Acq: 04 Aug 2022 03:05

Tgt Ion:276 Resp: 306800
 Ion Ratio Lower Upper
 276 100
 277 23.3 19.1 28.7
 138 20.8 18.0 27.0

