

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080422\
 Data File : BF129577.D
 Acq On : 04 Aug 2022 19:14
 Operator : CG\JU
 Sample : N3930-16
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RVE-108

Manual Integrations
 APPROVED

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

Quant Time: Aug 05 02:09:32 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 02:05:37 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.857	152	186920	20.000	ng	0.00
21) Naphthalene-d8	8.139	136	719445	20.000	ng	0.00
39) Acenaphthene-d10	9.892	164	347427	20.000	ng	-0.01
64) Phenanthrene-d10	11.386	188	494566	20.000	ng	0.00
76) Chrysene-d12	14.027	240	295184	20.000	ng	-0.01
86) Perylene-d12	15.510	264	306896	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	1185278	103.296	ng	0.00
7) Phenol-d6	6.504	99	1501530	104.108	ng	-0.01
23) Nitrobenzene-d5	7.422	82	967113	73.381	ng	-0.01
42) 2,4,6-Tribromophenol	10.692	330	329978	98.788	ng	0.00
45) 2-Fluorobiphenyl	9.216	172	1661598	73.984	ng	0.00
79) Terphenyl-d14	12.969	244	1190479	76.086	ng	-0.01
Target Compounds						Qvalue
71) Phenanthrene	11.410	178	363799	13.476	ng	97
72) Anthracene	11.457	178	98167	3.700	ng	98
75) Fluoranthene	12.598	202	414526	15.154	ng	98
78) Pyrene	12.827	202	334466	13.550	ng	99
81) Benzo(a)anthracene	14.016	228	167653	8.314	ng	98
83) Chrysene	14.057	228	166253	8.748	ng	99
87) Indeno(1,2,3-cd)pyrene	17.004	276	111714	5.406	ng	94
88) Benzo(b)fluoranthene	15.074	252	267555m	13.143	ng	
89) Benzo(k)fluoranthene	15.104	252	90687m	4.546	ng	
90) Benzo(a)pyrene	15.445	252	154980	9.378	ng	98
92) Benzo(g,h,i)perylene	17.457	276	101229	5.889	ng	98

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

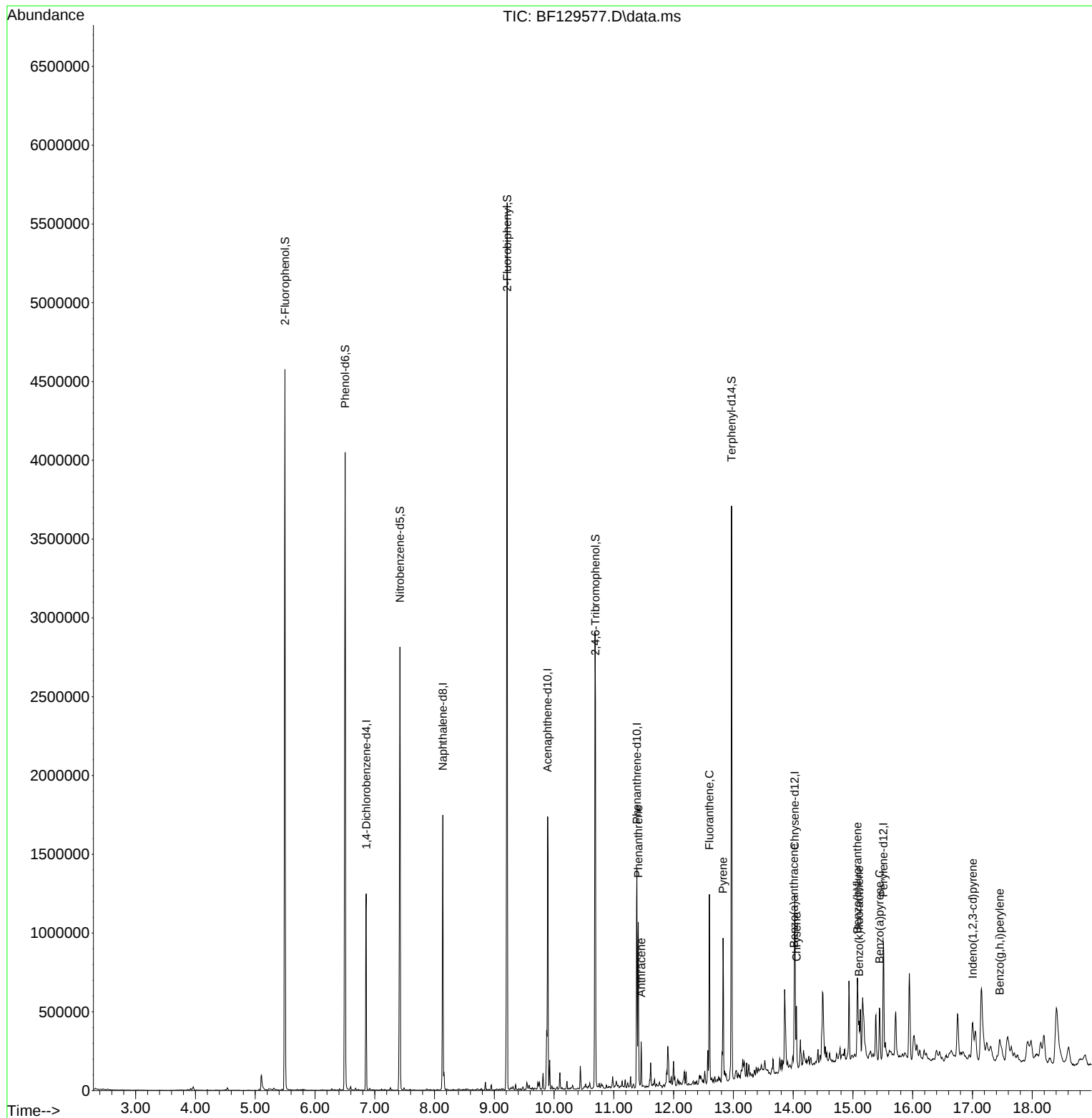
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080422\
Data File : BF129577.D
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ALS Vial : 7 Sample Multiplier: 1

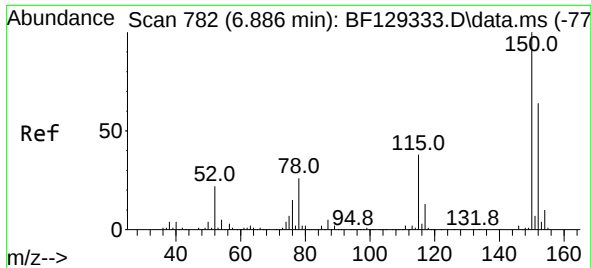
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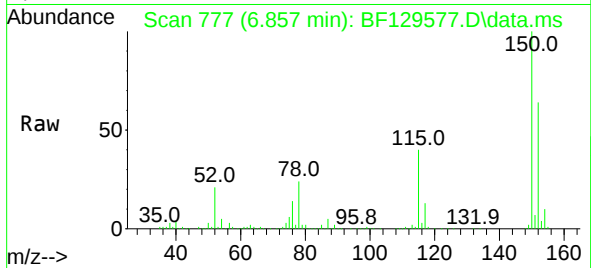
Quant Time: Aug 05 02:09:32 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF072522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Aug 05 02:05:37 2022
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.857 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF129577.D
Acq: 04 Aug 2022 19:14

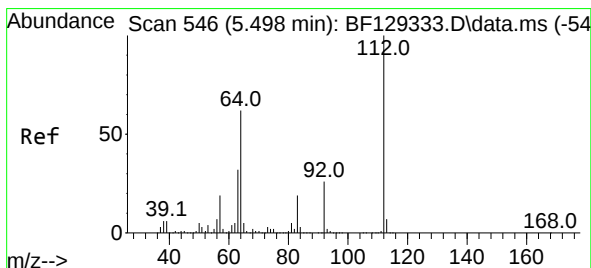
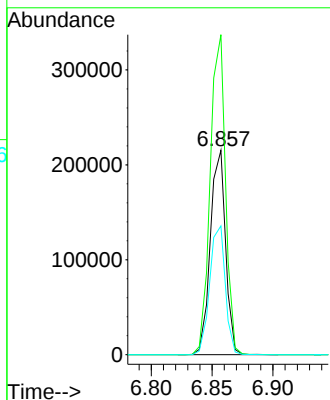
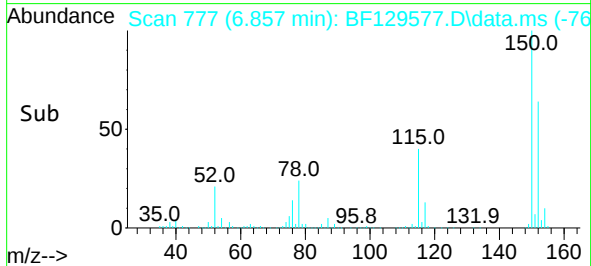
Instrument :
BNA_F
ClientSampleId :
RVE-108



Tgt Ion:152 Resp: 186920
Ion Ratio Lower Upper
152 100
150 156.6 123.7 185.5
115 63.1 49.9 74.9

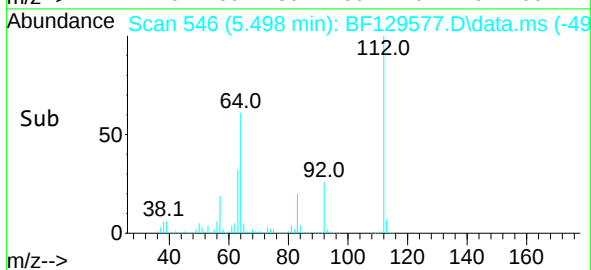
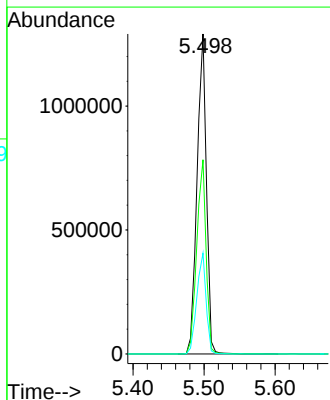
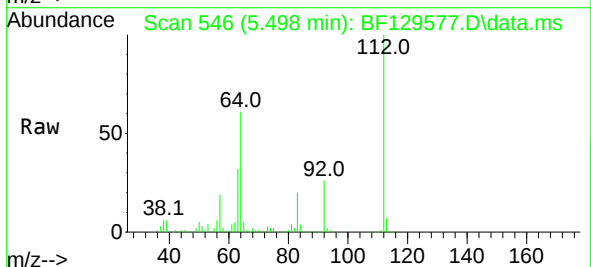
Manual Integrations
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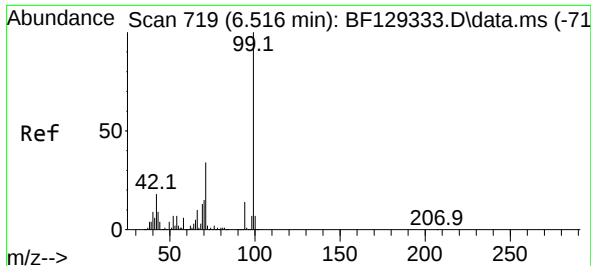
Reviewed By :Christian Giraldo 08/05/2022
Supervised By :Jagrut Upadhyay 08/05/2022



#5
2-Fluorophenol
Concen: 103.296 ng
RT: 5.498 min Scan# 546
Delta R.T. 0.006 min
Lab File: BF129577.D
Acq: 04 Aug 2022 19:14

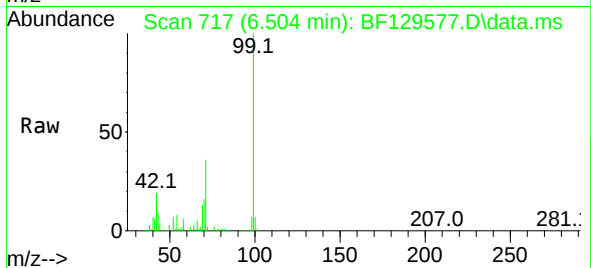
Tgt Ion:112 Resp: 1185278
Ion Ratio Lower Upper
112 100
64 60.7 53.3 79.9
63 31.5 28.0 42.0





#7
Phenol-d6
Concen: 104.108 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF129577.D
Acq: 04 Aug 2022 19:14

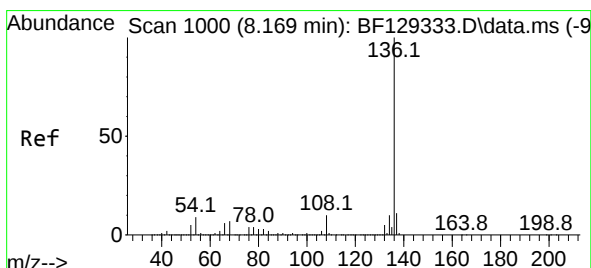
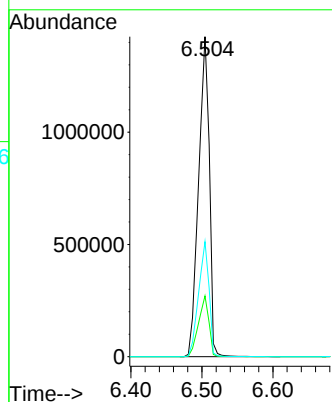
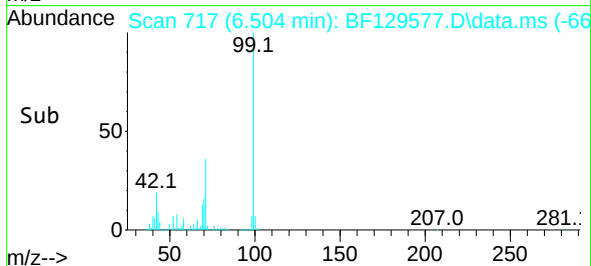
Instrument :
BNA_F
ClientSampleId :
RVE-108



Tgt Ion: 99 Resp: 1501530
Ion Ratio Lower Upper
99 100
42 19.0 17.3 25.9
71 35.9 28.9 43.3

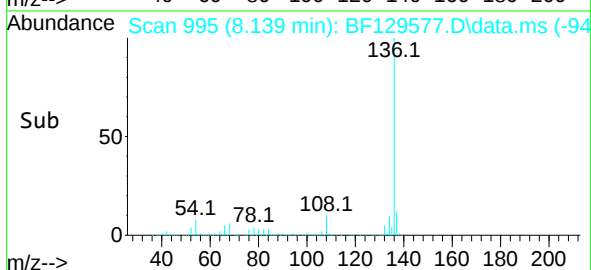
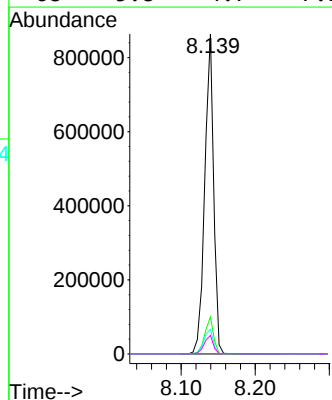
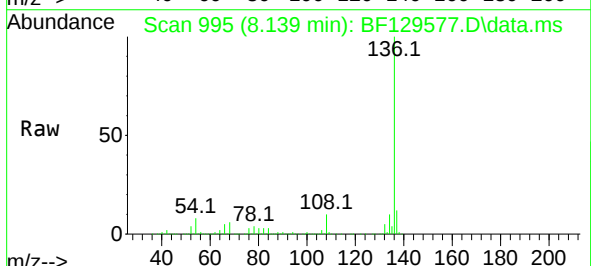
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#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.139 min Scan# 995
Delta R.T. -0.006 min
Lab File: BF129577.D
Acq: 04 Aug 2022 19:14

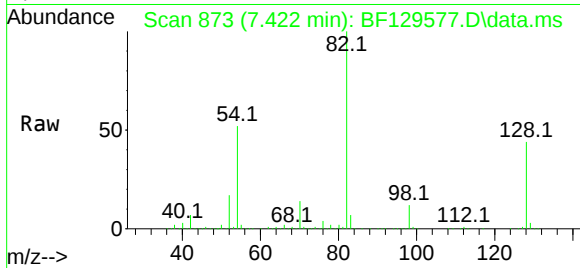
Tgt Ion:136 Resp: 719445
Ion Ratio Lower Upper
136 100
137 11.5 8.8 13.2
54 7.7 7.5 11.3
68 5.8 4.7 7.1





#23
Nitrobenzene-d5
Concen: 73.381 ng
RT: 7.422 min Scan# 81
Delta R.T. -0.012 min
Lab File: BF129577.D
Acq: 04 Aug 2022 19:14

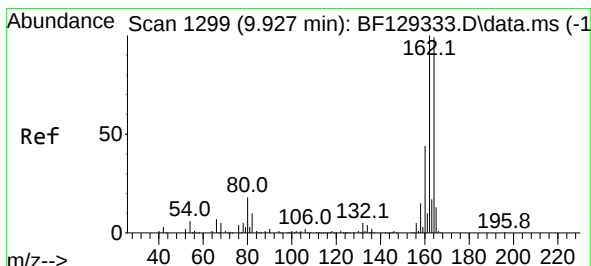
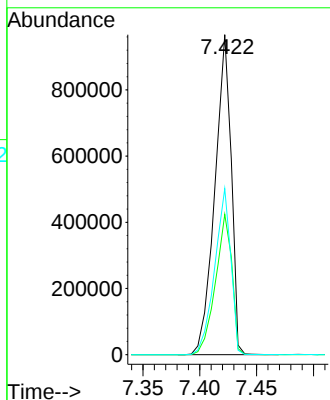
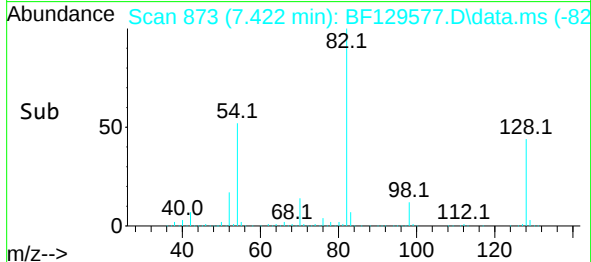
Instrument :
BNA_F
ClientSampleId :
RVE-108



Tgt Ion: 82 Resp: 967111
Ion Ratio Lower Upper
82 100
128 43.9 34.0 51.0
54 51.9 46.9 70.3

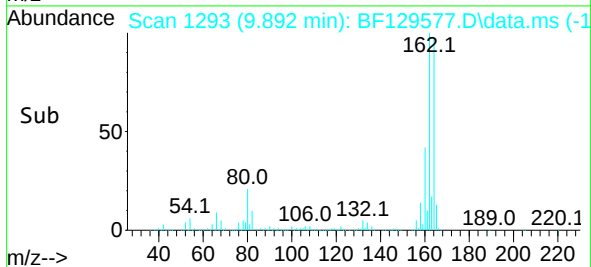
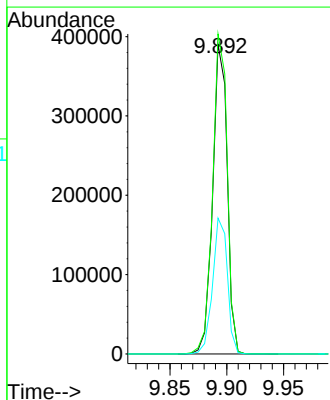
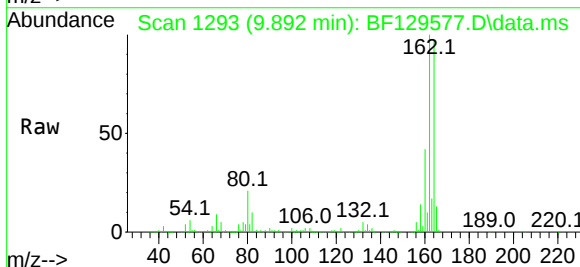
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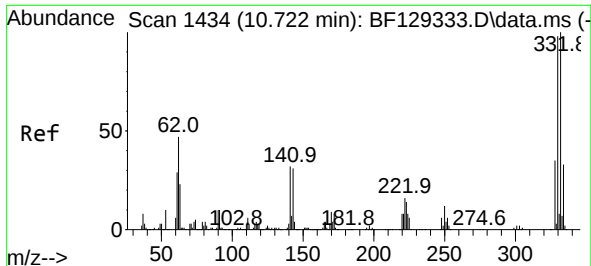
Reviewed By :Christian Giraldo 08/05/2022
Supervised By :Jagrut Upadhyay 08/05/2022



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.892 min Scan# 1293
Delta R.T. -0.012 min
Lab File: BF129577.D
Acq: 04 Aug 2022 19:14

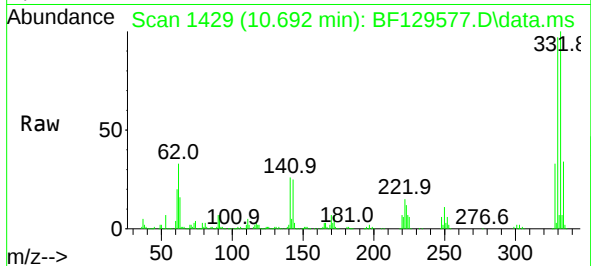
Tgt Ion:164 Resp: 347427
Ion Ratio Lower Upper
164 100
162 103.4 79.5 119.3
160 43.9 34.2 51.4





#42
2,4,6-Tribromophenol
Concen: 98.788 ng
RT: 10.692 min Scan# 1434
Delta R.T. -0.006 min
Lab File: BF129577.D
Acq: 04 Aug 2022 19:14

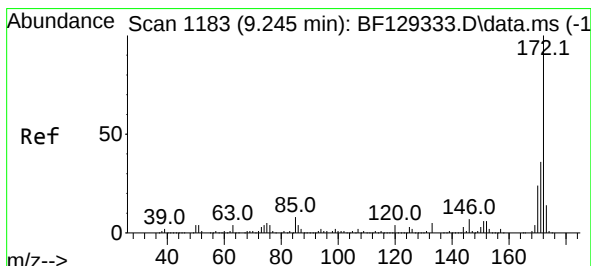
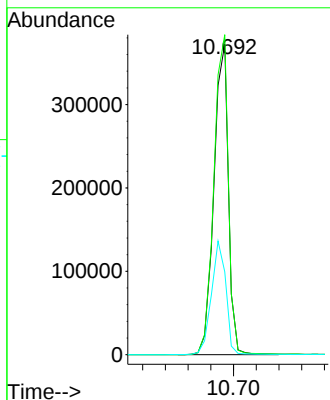
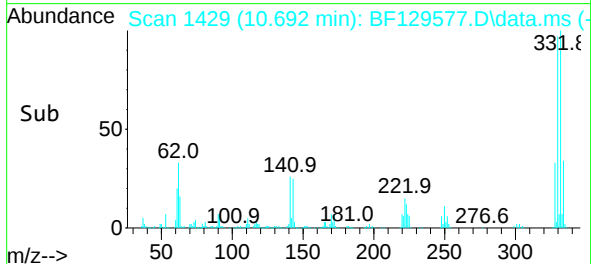
Instrument :
BNA_F
ClientSampleId :
RVE-108



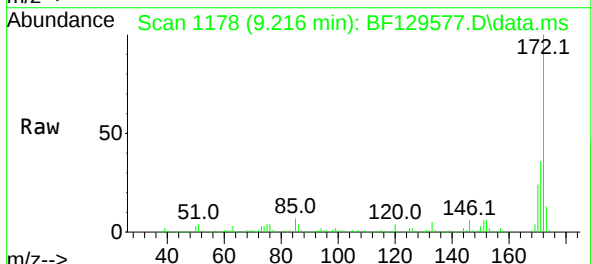
Tgt Ion: 330 Resp: 329978
Ion Ratio Lower Upper
330 100
332 103.3 76.8 115.2
141 36.8 28.0 42.0

Manual Integrations
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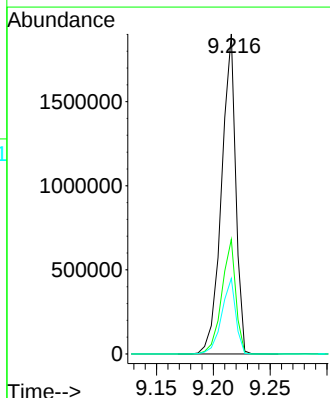
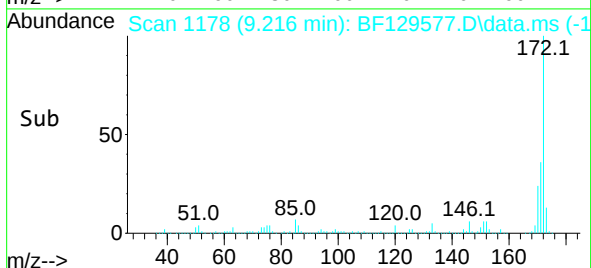
Reviewed By : Christian Giraldo 08/05/2022
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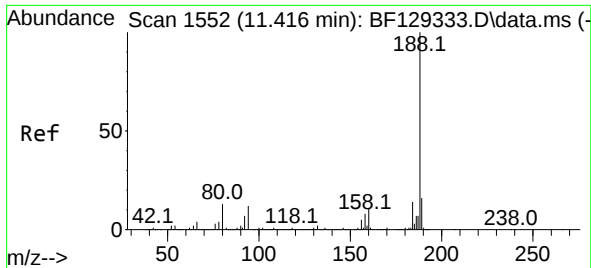


#45
2-Fluorobiphenyl
Concen: 73.984 ng
RT: 9.216 min Scan# 1178
Delta R.T. -0.006 min
Lab File: BF129577.D
Acq: 04 Aug 2022 19:14



Tgt Ion: 172 Resp: 1661598
Ion Ratio Lower Upper
172 100
171 35.8 28.8 43.2
170 23.6 19.8 29.8





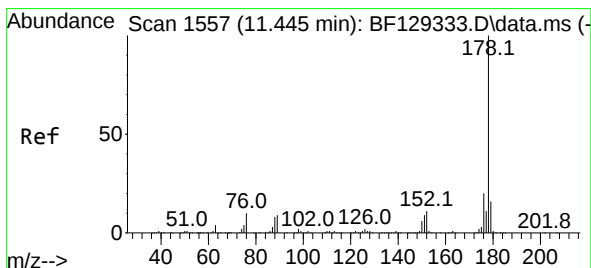
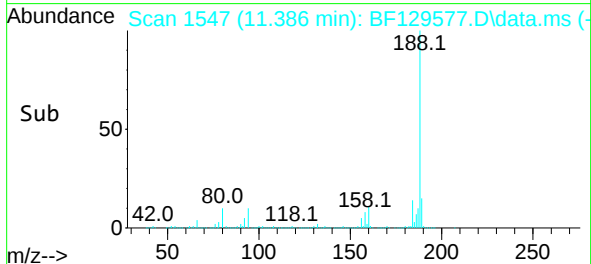
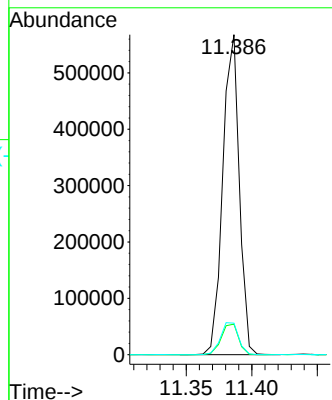
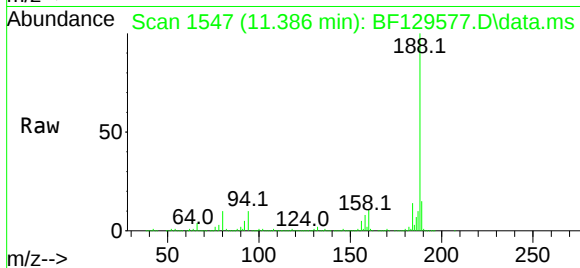
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.386 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF129577.D
Acq: 04 Aug 2022 19:14

Instrument :
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ClientSampleId :
RVE-108

Tgt Ion:188 Resp: 494560
Ion Ratio Lower Upper
188 100
94 9.6 7.0 10.6
80 9.8 7.6 11.4

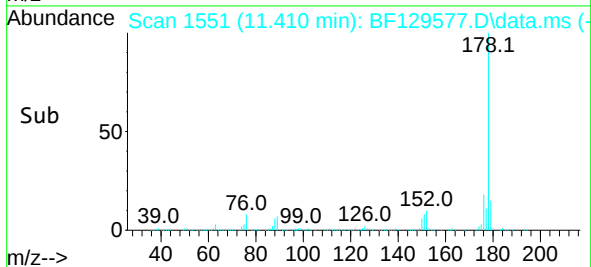
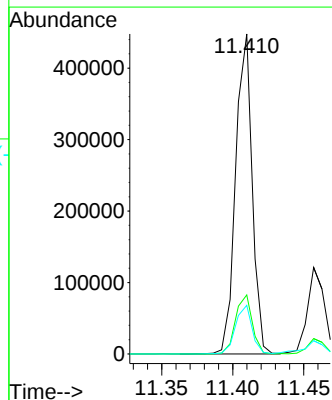
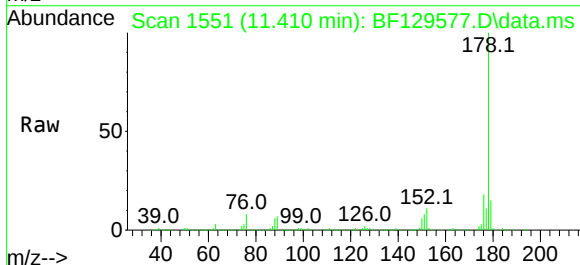
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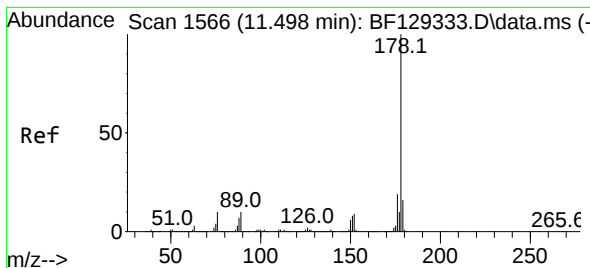
Reviewed By :Christian Giraldo 08/05/2022
Supervised By :Jagrut Upadhyay 08/05/2022



#71
Phenanthrene
Concen: 13.476 ng
RT: 11.410 min Scan# 1551
Delta R.T. -0.012 min
Lab File: BF129577.D
Acq: 04 Aug 2022 19:14

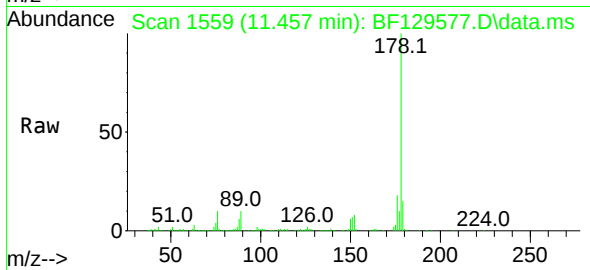
Tgt Ion:178 Resp: 363799
Ion Ratio Lower Upper
178 100
176 18.4 16.0 24.0
179 15.2 12.6 19.0





#72
 Anthracene
 Concen: 3.700 ng
 RT: 11.457 min Scan# 11
 Delta R.T. -0.018 min
 Lab File: BF129577.D
 Acq: 04 Aug 2022 19:14

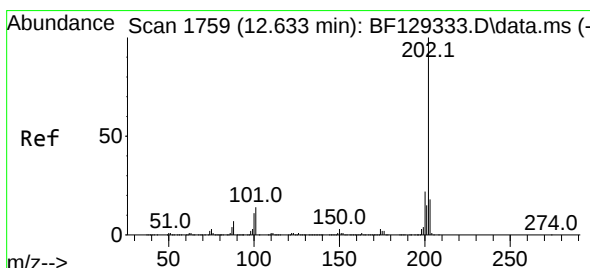
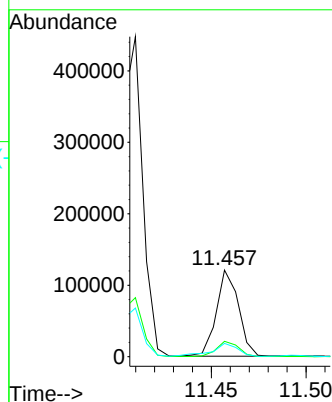
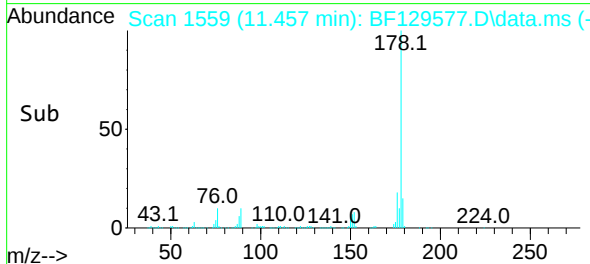
Instrument :
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 RVE-108



Tgt Ion:178 Resp: 9816
 Ion Ratio Lower Upper
 178 100
 176 17.7 15.4 23.2
 179 15.4 12.6 19.0

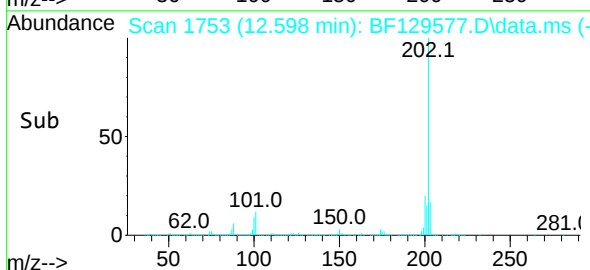
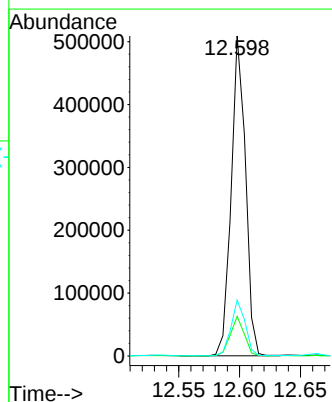
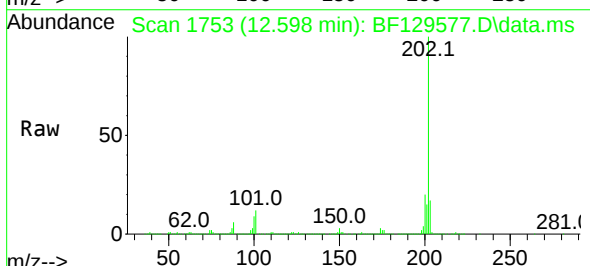
Manual Integrations
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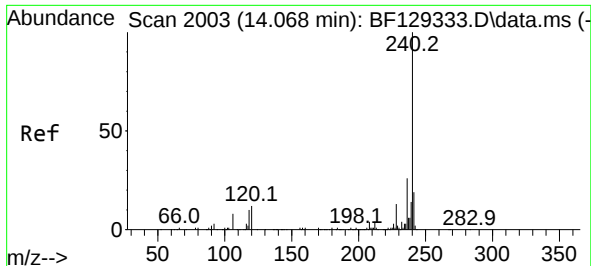
Reviewed By :Christian Giraldo 08/05/2022
 Supervised By :Jagrut Upadhyay 08/05/2022



#75
 Fluoranthene
 Concen: 15.154 ng
 RT: 12.598 min Scan# 1753
 Delta R.T. -0.012 min
 Lab File: BF129577.D
 Acq: 04 Aug 2022 19:14

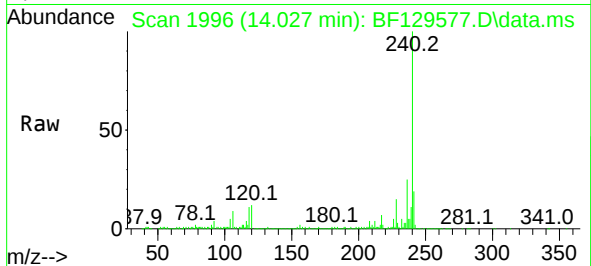
Tgt Ion:202 Resp: 414526
 Ion Ratio Lower Upper
 202 100
 101 12.3 0.0 31.4
 203 17.4 0.0 38.0





#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.027 min Scan# 1996
Delta R.T. -0.012 min
Lab File: BF129577.D
Acq: 04 Aug 2022 19:14

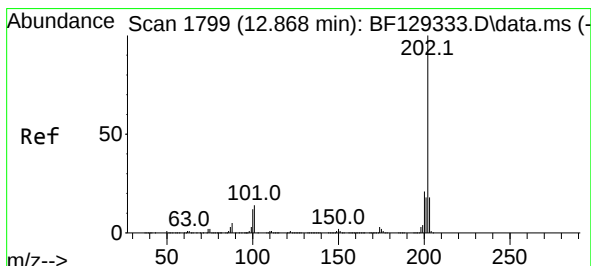
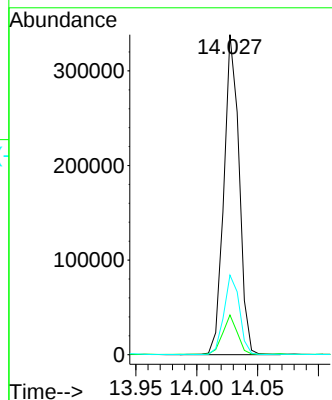
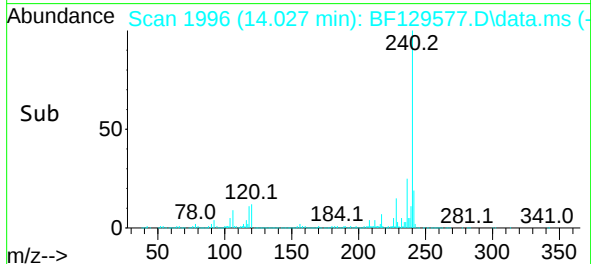
Instrument :
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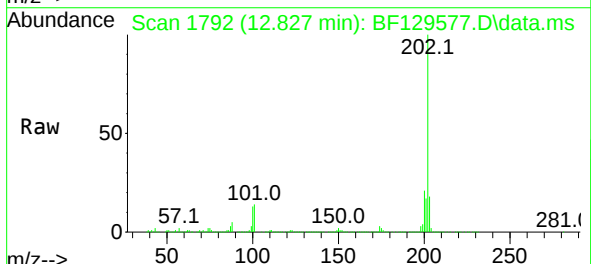
Tgt Ion:240 Resp: 295184
Ion Ratio Lower Upper
240 100
120 12.4 8.9 13.3
236 24.9 20.8 31.2

Manual Integrations
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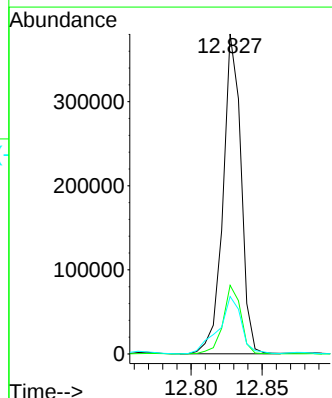
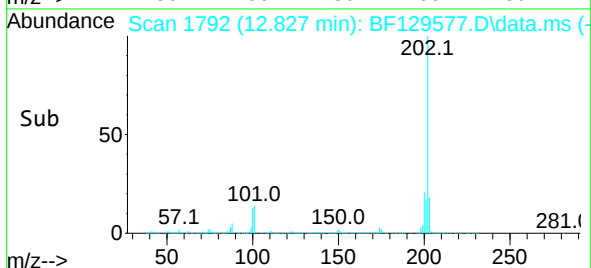
Reviewed By :Christian Giraldo 08/05/2022
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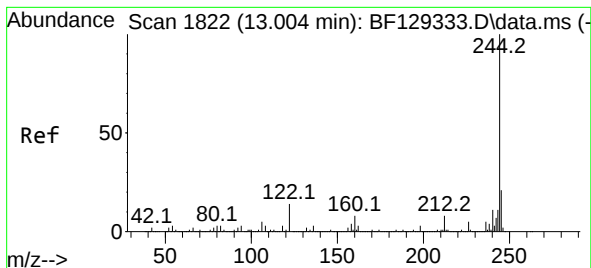


#78
Pyrene
Concen: 13.550 ng
RT: 12.827 min Scan# 1792
Delta R.T. -0.012 min
Lab File: BF129577.D
Acq: 04 Aug 2022 19:14



Tgt Ion:202 Resp: 334466
Ion Ratio Lower Upper
202 100
200 21.5 17.7 26.5
203 18.0 14.6 21.8





#79

Terphenyl-d14

Concen: 76.086 ng

RT: 12.969 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF129577.D

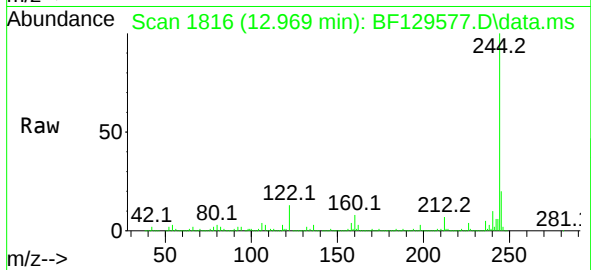
Acq: 04 Aug 2022 19:14

Instrument :

BNA_F

ClientSampleId :

RVE-108



Tgt Ion:244 Resp: 1190479

Ion Ratio Lower Upper

244 100

212 7.4 6.1 9.1

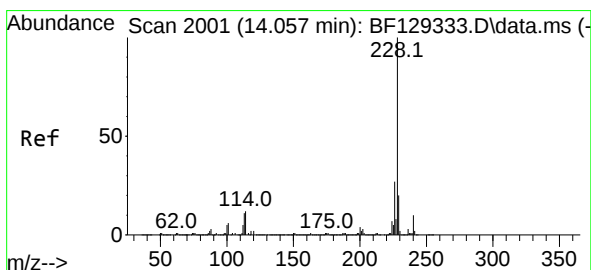
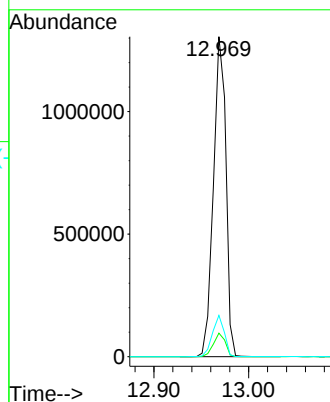
122 12.9 8.8 13.2

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 08/05/2022

Supervised By :Jagrut Upadhyay 08/05/2022



#81

Benzo(a)anthracene

Concen: 8.314 ng

RT: 14.016 min Scan# 1994

Delta R.T. -0.012 min

Lab File: BF129577.D

Acq: 04 Aug 2022 19:14

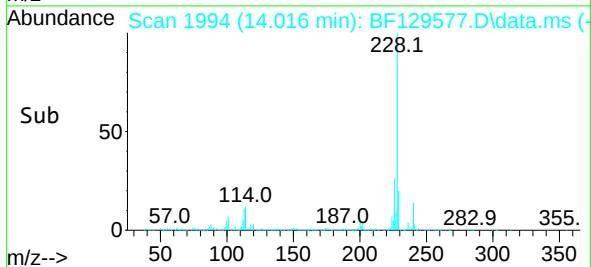
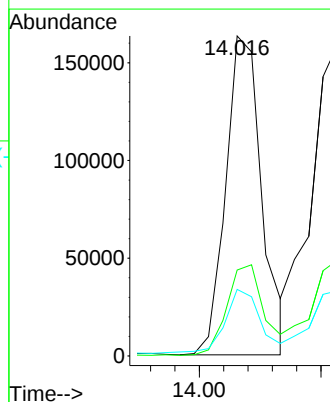
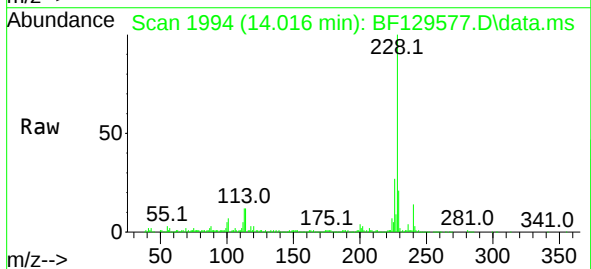
Tgt Ion:228 Resp: 167653

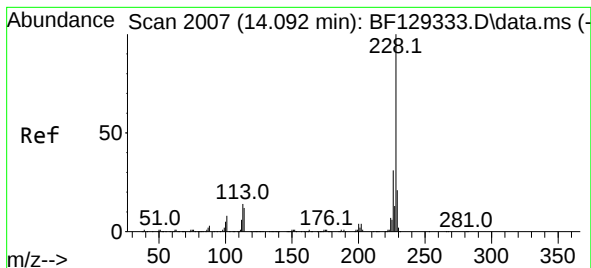
Ion Ratio Lower Upper

228 100

226 26.9 22.1 33.1

229 20.8 15.8 23.8





#83

Chrysene

Concen: 8.748 ng

RT: 14.057 min Scan# 2007

Delta R.T. -0.012 min

Lab File: BF129577.D

Acq: 04 Aug 2022 19:14

Instrument :

BNA_F

ClientSampleId :

RVE-108

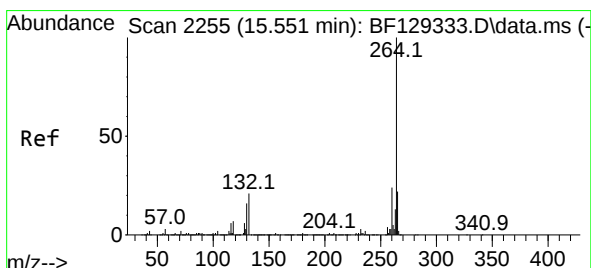
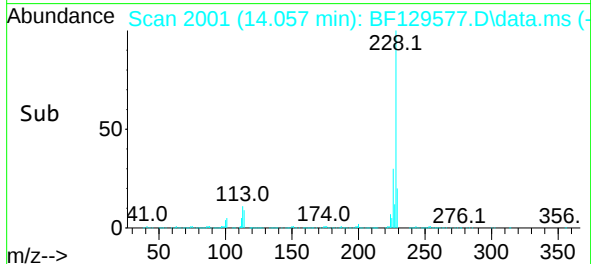
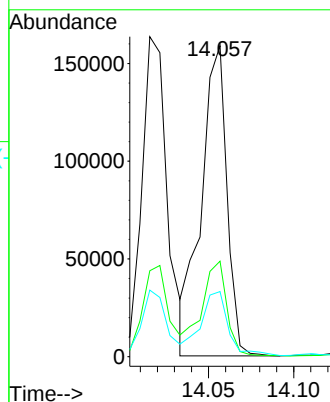
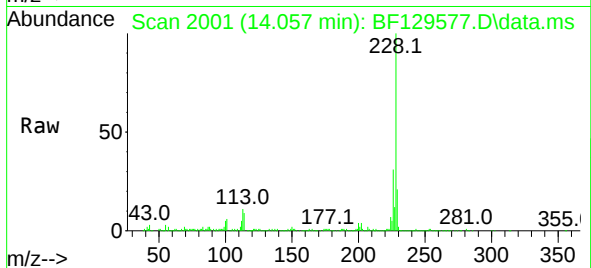
Tgt Ion:228 Resp: 16625
 Ion Ratio Lower Upper
 228 100
 226 30.7 24.3 36.5
 229 20.9 15.9 23.9

Manual Integrations

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Reviewed By :Christian Giraldo 08/05/2022

Supervised By :Jagrut Upadhyay 08/05/2022



#86

Perylene-d12

Concen: 20.000 ng

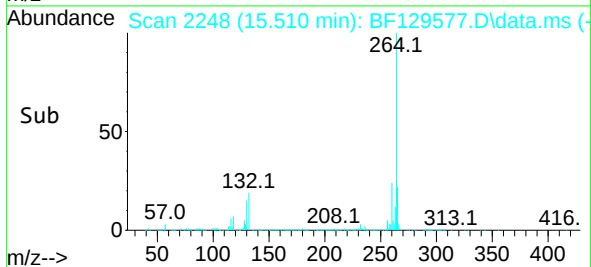
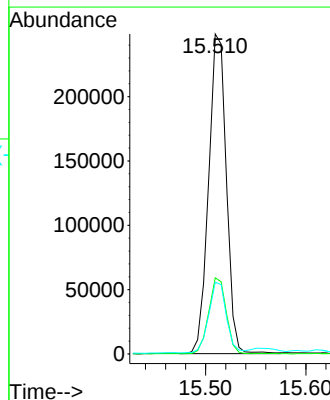
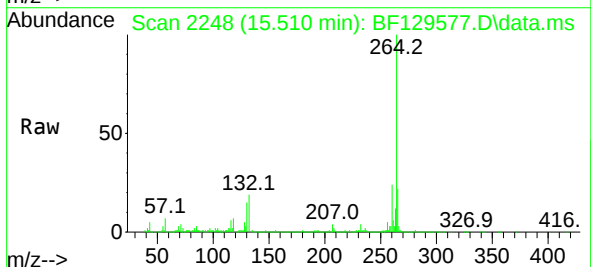
RT: 15.510 min Scan# 2248

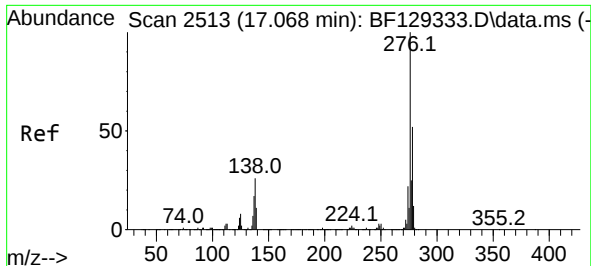
Delta R.T. -0.006 min

Lab File: BF129577.D

Acq: 04 Aug 2022 19:14

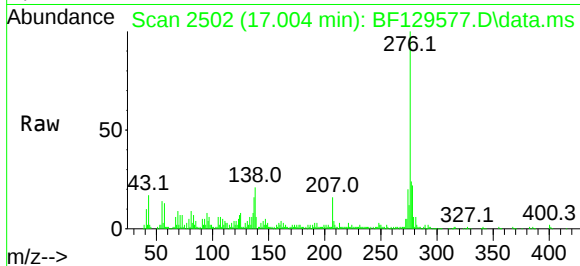
Tgt Ion:264 Resp: 306896
 Ion Ratio Lower Upper
 264 100
 260 23.8 18.4 27.6
 265 22.4 17.2 25.8





#87
Indeno(1,2,3-cd)pyrene
Concen: 5.406 ng
RT: 17.004 min Scan# 211714
Delta R.T. -0.018 min
Lab File: BF129577.D
Acq: 04 Aug 2022 19:14

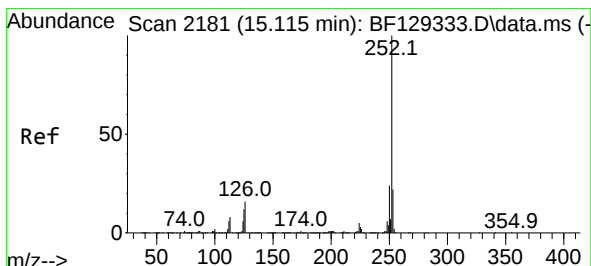
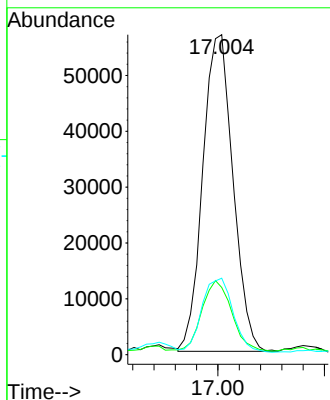
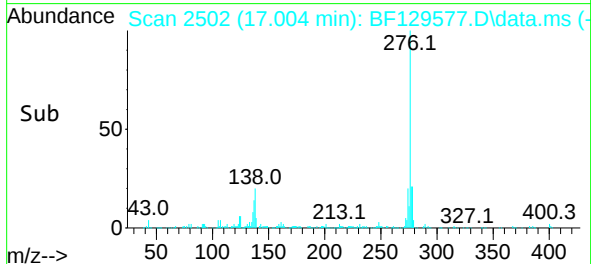
Instrument :
BNA_F
ClientSampleId :
RVE-108



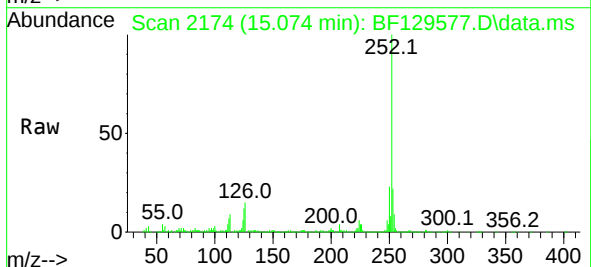
Tgt Ion:276 Resp: 111714
Ion Ratio Lower Upper
276 100
138 21.9 21.1 31.7
277 24.2 20.3 30.5

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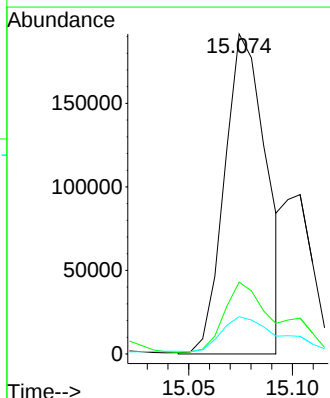
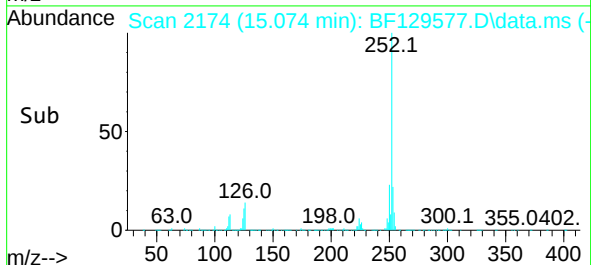
Reviewed By :Christian Giraldo 08/05/2022
Supervised By :Jagrut Upadhyay 08/05/2022

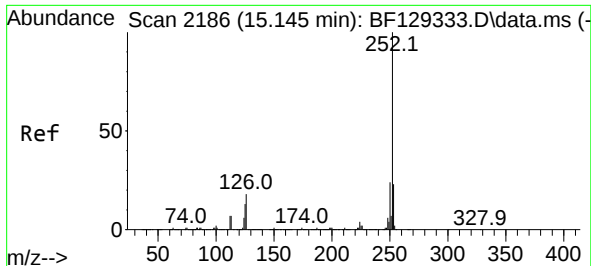


#88
Benzo(b)fluoranthene
Concen: 13.143 ng m
RT: 15.074 min Scan# 2174
Delta R.T. -0.012 min
Lab File: BF129577.D
Acq: 04 Aug 2022 19:14



Tgt Ion:252 Resp: 267555
Ion Ratio Lower Upper
252 100
253 22.5 17.7 26.5
125 11.6 8.0 12.0





#89

Benzo(k)fluoranthene

Concen: 4.546 ng m

RT: 15.104 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF129577.D

Acq: 04 Aug 2022 19:14

Instrument :

BNA_F

ClientSampleId :

RVE-108

Tgt Ion:252 Resp: 9068

Ion Ratio Lower Upper

252 100

253 22.5 17.8 26.6

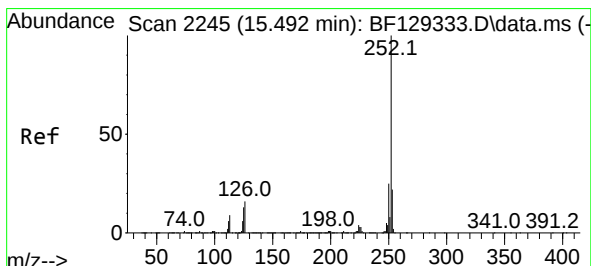
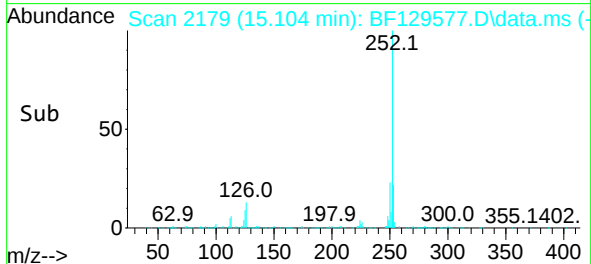
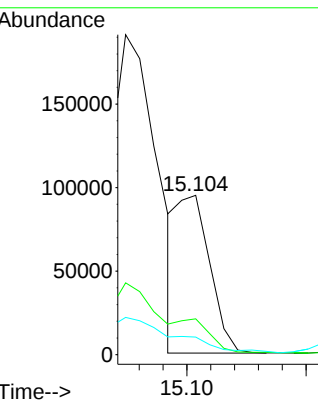
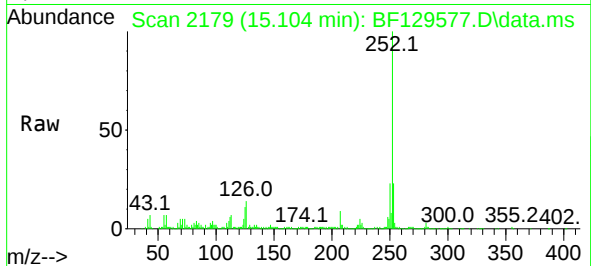
125 11.1 8.3 12.5

Manual Integrations

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Reviewed By :Christian Giraldo 08/05/2022

Supervised By :Jagrut Upadhyay 08/05/2022



#90

Benzo(a)pyrene

Concen: 9.378 ng

RT: 15.445 min Scan# 2237

Delta R.T. -0.012 min

Lab File: BF129577.D

Acq: 04 Aug 2022 19:14

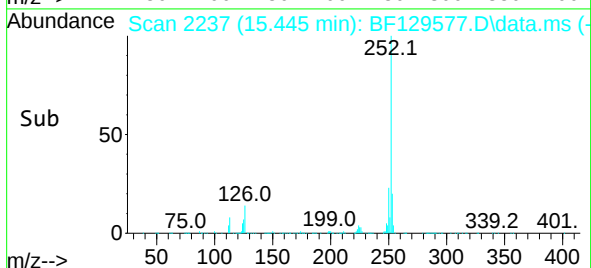
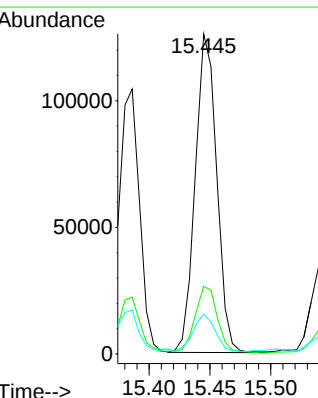
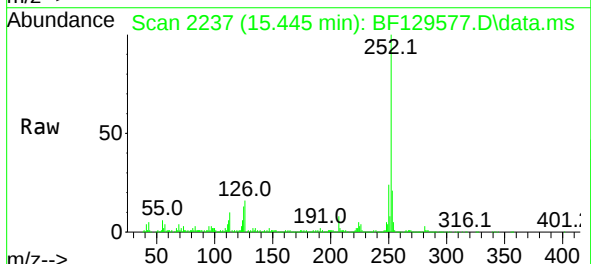
Tgt Ion:252 Resp: 154980

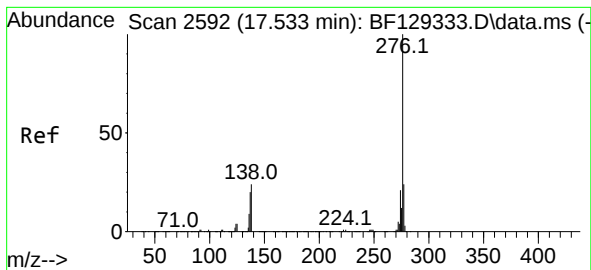
Ion Ratio Lower Upper

252 100

253 21.1 17.0 25.6

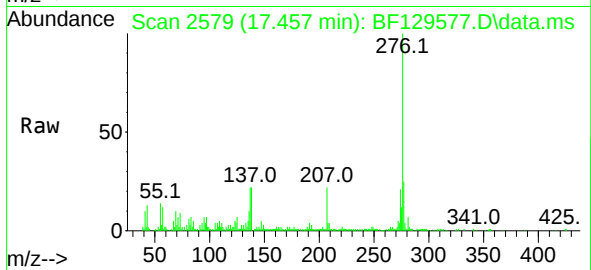
125 12.5 8.8 13.2





#92
 Benzo(g,h,i)perylene
 Concen: 5.889 ng
 RT: 17.457 min Scan# 21
 Delta R.T. -0.024 min
 Lab File: BF129577.D
 Acq: 04 Aug 2022 19:14

Instrument :
 BNA_F
 ClientSampleId :
 RVE-108



Tgt Ion: 276 Resp: 101229
 Ion Ratio Lower Upper
 276 100
 277 25.0 19.1 28.7
 138 22.1 18.0 27.0

Manual Integrations
 APPROVED

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

