

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080522\
 Data File : BF129617.D
 Acq On : 06 Aug 2022 00:39
 Operator : CG\JU
 Sample : N3961-11
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RVE-178

Manual Integrations
 APPROVED

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

Quant Time: Aug 08 02:16:22 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	6.845	152	144716	20.000	ng	0.00
21) Naphthalene-d8	8.128	136	539927	20.000	ng	0.00
39) Acenaphthene-d10	9.886	164	247157	20.000	ng	0.00
64) Phenanthrene-d10	11.374	188	379423	20.000	ng	0.00
76) Chrysene-d12	14.021	240	297987	20.000	ng	0.00
86) Perylene-d12	15.492	264	245513	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	982150	110.556	ng	0.00
7) Phenol-d6	6.498	99	1185277	106.147	ng	0.00
23) Nitrobenzene-d5	7.410	82	741491	74.967	ng	-0.01
42) 2,4,6-Tribromophenol	10.680	330	250713	105.509	ng	0.00
45) 2-Fluorobiphenyl	9.204	172	1239875	77.603	ng	0.00
79) Terphenyl-d14	12.957	244	1129319	71.498	ng	-0.01
Target Compounds						Qvalue
71) Phenanthrene	11.398	178	137250	6.627	ng	99
75) Fluoranthene	12.586	202	228097	10.869	ng	98
78) Pyrene	12.816	202	281092	11.280	ng	97
81) Benzo(a)anthracene	14.010	228	119295m	5.861	ng	
83) Chrysene	14.045	228	137788	7.182	ng	97
87) Indeno(1,2,3-cd)pyrene	16.974	276	63010	3.811	ng	98
88) Benzo(b)fluoranthene	15.062	252	150616m	9.248	ng	
89) Benzo(k)fluoranthene	15.086	252	40007m	2.507	ng	
90) Benzo(a)pyrene	15.433	252	104406	7.897	ng	100
92) Benzo(g,h,i)perylene	17.427	276	69817	5.078	ng	96

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

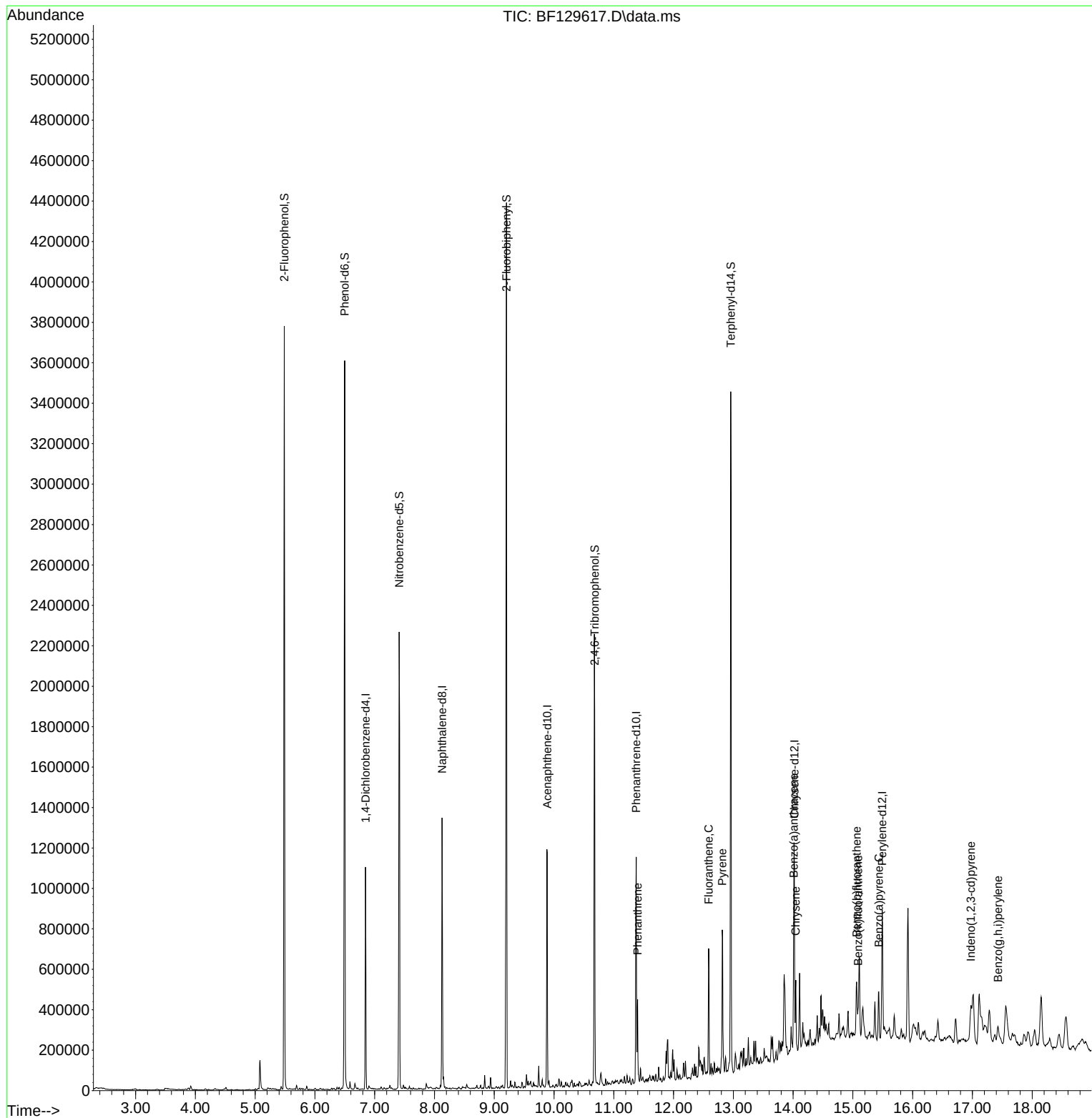
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080522\
Data File : BF129617.D
Acq On : 06 Aug 2022 00:39
Operator : CG\JU
Sample : N3961-11
Misc :
ALS Vial : 14 Sample Multiplier: 1

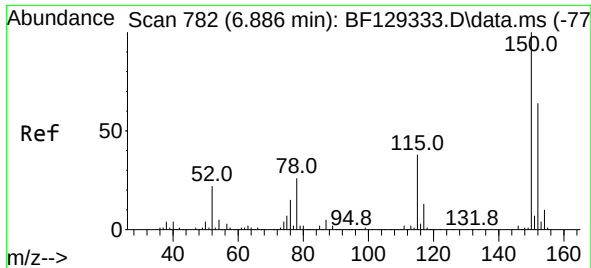
Instrument :
BNA_F
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RVE-178

Quant Time: Aug 08 02:16:22 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF072522.M
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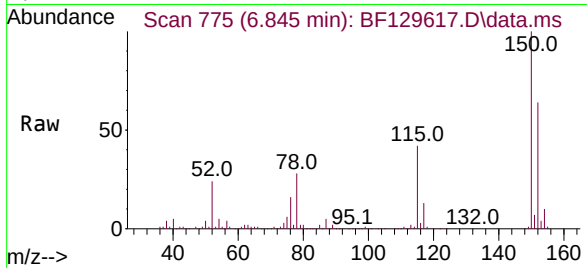
Reviewed By : Christian Giraldo 08/08/2022
Supervised By : Jagrut Upadhyay 08/08/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.845 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF129617.D
Acq: 06 Aug 2022 00:39

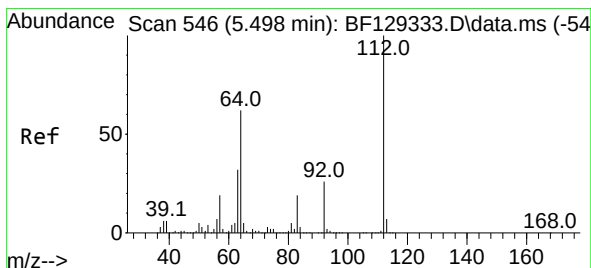
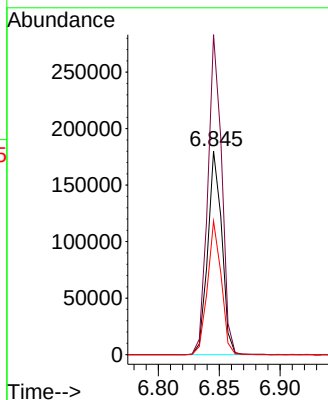
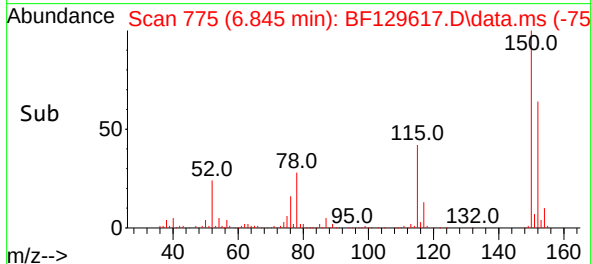
Instrument :
BNA_F
ClientSampleId :
RVE-178



Tgt Ion:152 Resp: 144716
Ion Ratio Lower Upper
152 100
150 157.1 123.7 185.5
115 65.6 49.9 74.9

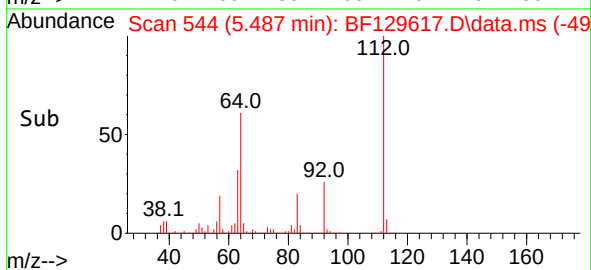
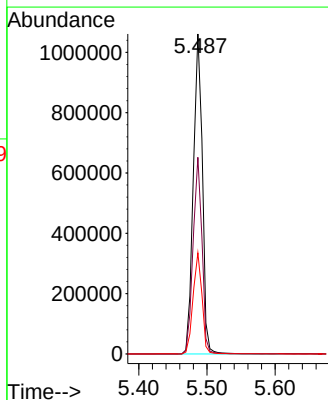
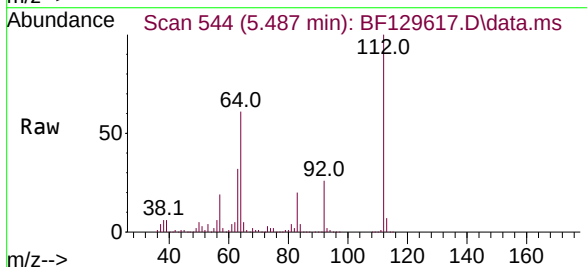
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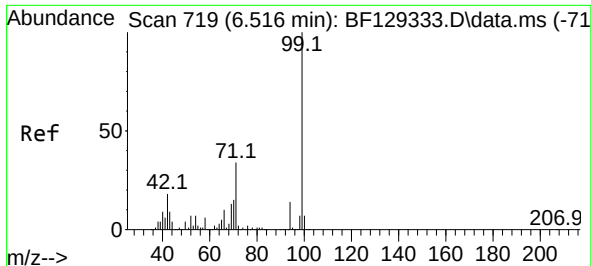
Reviewed By :Christian Giraldo 08/08/2022
Supervised By :Jagrut Upadhyay 08/08/2022



#5
2-Fluorophenol
Concen: 110.556 ng
RT: 5.487 min Scan# 544
Delta R.T. 0.006 min
Lab File: BF129617.D
Acq: 06 Aug 2022 00:39

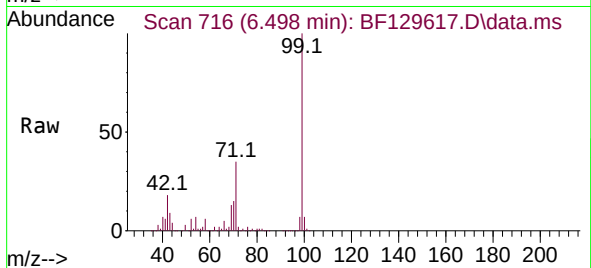
Tgt Ion:112 Resp: 982150
Ion Ratio Lower Upper
112 100
64 61.4 53.3 79.9
63 31.6 28.0 42.0





#7
Phenol-d6
Concen: 106.147 ng
RT: 6.498 min Scan# 719
Delta R.T. -0.006 min
Lab File: BF129617.D
Acq: 06 Aug 2022 00:39

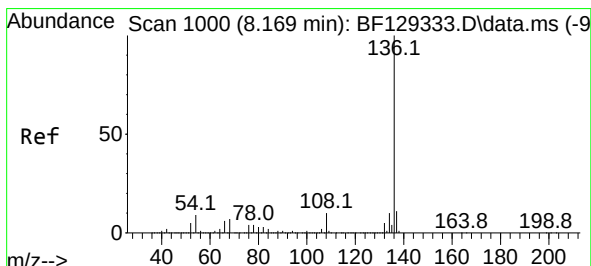
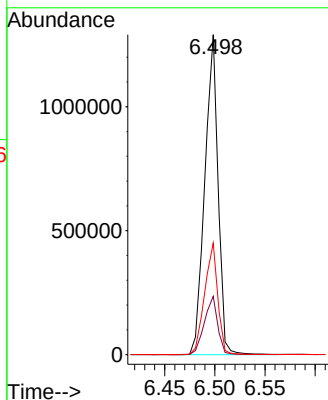
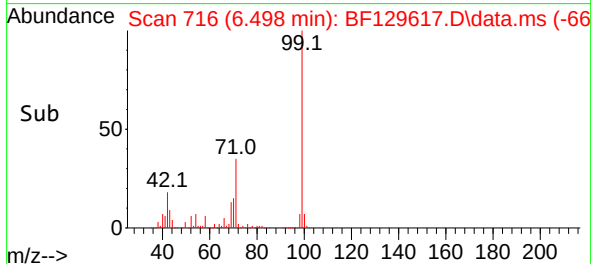
Instrument :
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ClientSampleId :
RVE-178



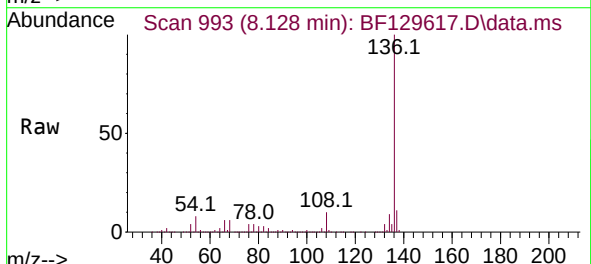
Tgt Ion: 99 Resp: 118527
Ion Ratio Lower Upper
99 100
42 18.2 17.3 25.9
71 34.9 28.9 43.3

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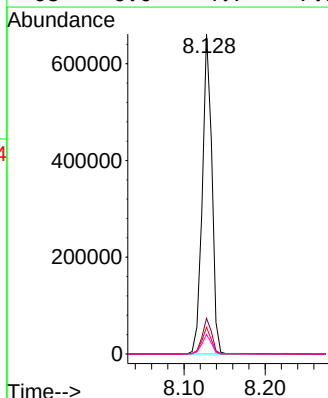
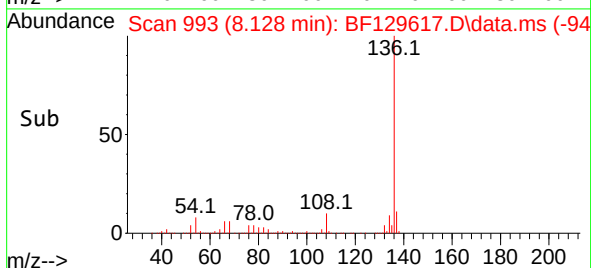
Reviewed By :Christian Giraldo 08/08/2022
Supervised By :Jagrut Upadhyay 08/08/2022

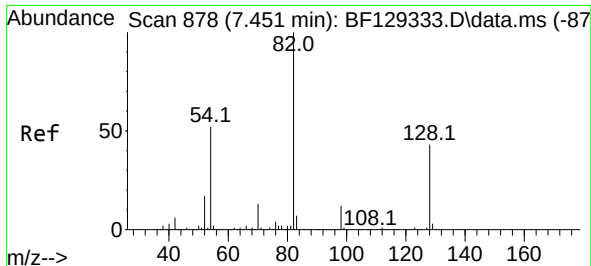


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.128 min Scan# 993
Delta R.T. -0.006 min
Lab File: BF129617.D
Acq: 06 Aug 2022 00:39



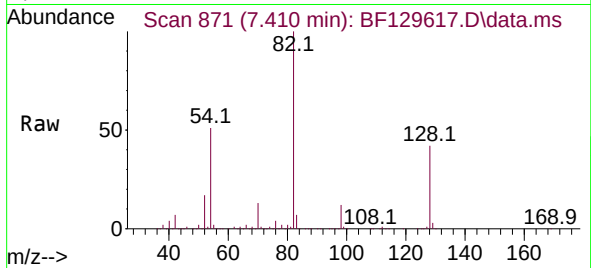
Tgt Ion:136 Resp: 539927
Ion Ratio Lower Upper
136 100
137 11.1 8.8 13.2
54 8.3 7.5 11.3
68 6.0 4.7 7.1





#23
Nitrobenzene-d5
Concen: 74.967 ng
RT: 7.410 min Scan# 81
Delta R.T. -0.012 min
Lab File: BF129617.D
Acq: 06 Aug 2022 00:39

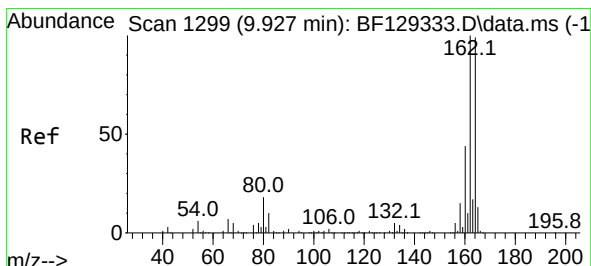
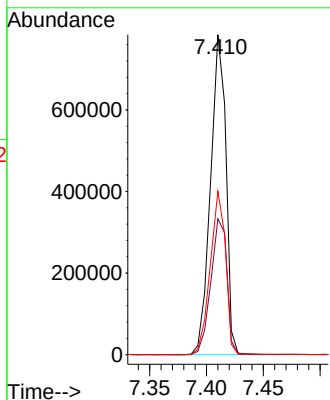
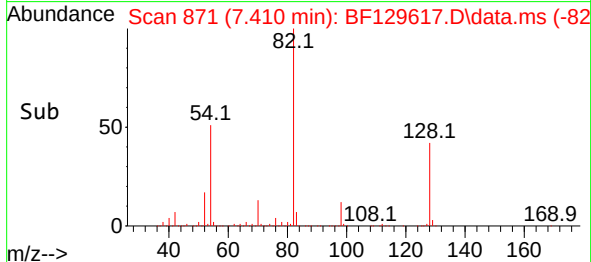
Instrument :
BNA_F
ClientSampleId :
RVE-178



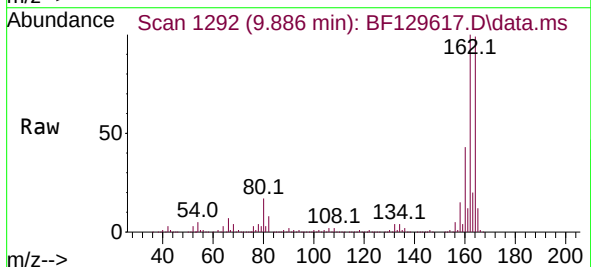
Tgt Ion: 82 Resp: 741491
Ion Ratio Lower Upper
82 100
128 42.4 34.0 51.0
54 51.1 46.9 70.3

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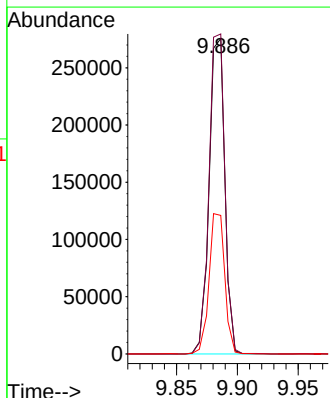
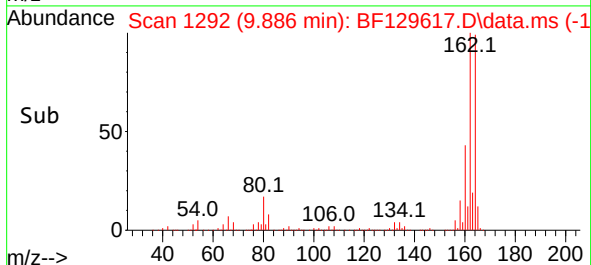
Reviewed By :Christian Giraldo 08/08/2022
Supervised By :Jagrut Upadhyay 08/08/2022

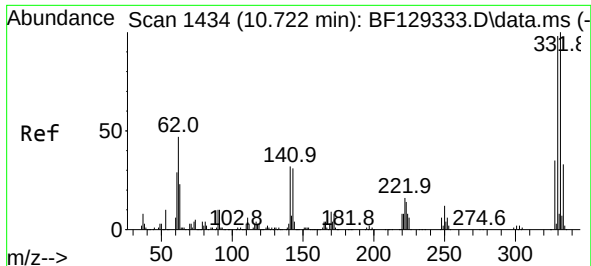


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.886 min Scan# 1292
Delta R.T. -0.006 min
Lab File: BF129617.D
Acq: 06 Aug 2022 00:39



Tgt Ion:164 Resp: 247157
Ion Ratio Lower Upper
164 100
162 101.5 79.5 119.3
160 43.9 34.2 51.4





#42
2,4,6-Tribromophenol
Concen: 105.509 ng
RT: 10.680 min Scan# 1434
Delta R.T. -0.006 min
Lab File: BF129617.D
Acq: 06 Aug 2022 00:39

Instrument :

BNA_F

ClientSampleId :

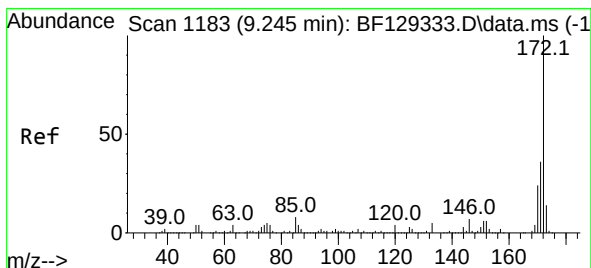
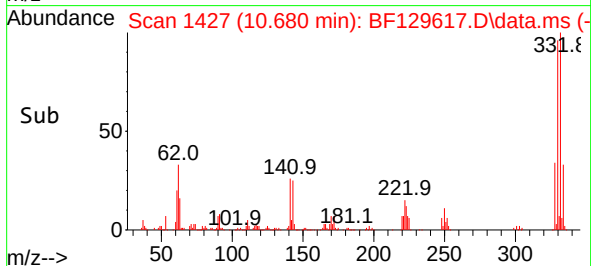
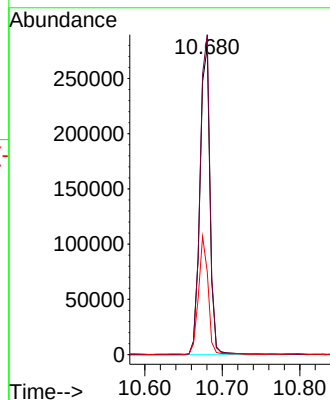
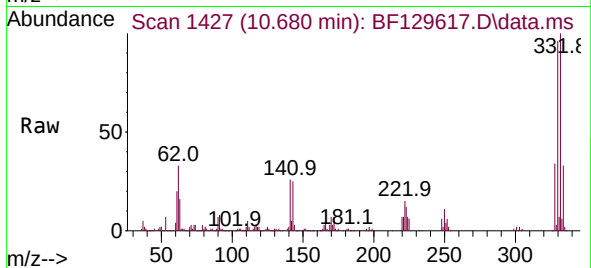
RVE-178

Tgt Ion:330 Resp: 250713
Ion Ratio Lower Upper
330 100
332 103.1 76.8 115.2
141 36.3 28.0 42.0

Manual Integrations

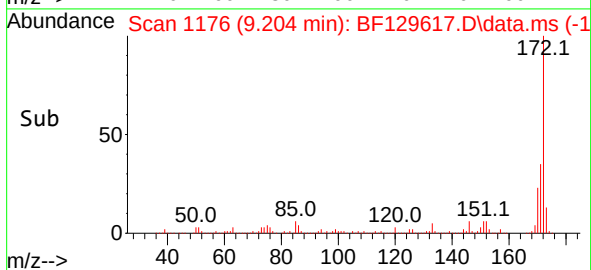
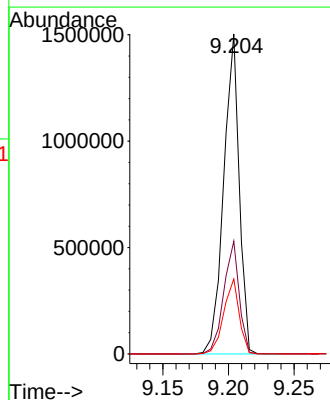
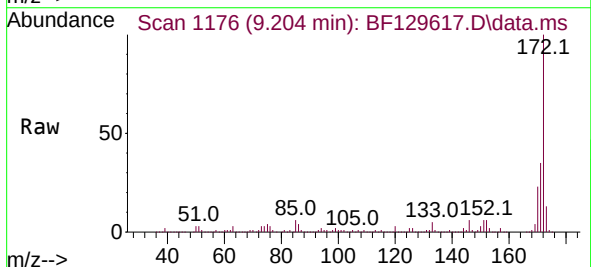
APPROVED

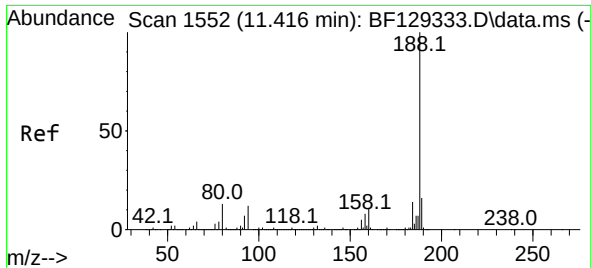
Reviewed By :Christian Giraldo 08/08/2022
Supervised By :Jagrut Upadhyay 08/08/2022



#45
2-Fluorobiphenyl
Concen: 77.603 ng
RT: 9.204 min Scan# 1176
Delta R.T. -0.006 min
Lab File: BF129617.D
Acq: 06 Aug 2022 00:39

Tgt Ion:172 Resp: 1239875
Ion Ratio Lower Upper
172 100
171 35.2 28.8 43.2
170 23.4 19.8 29.8





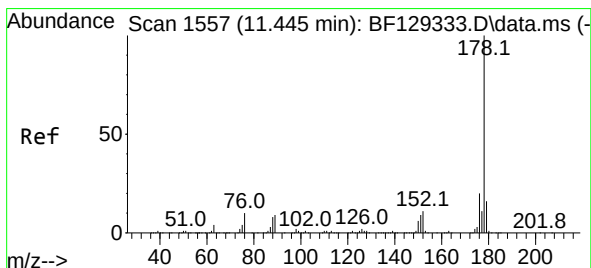
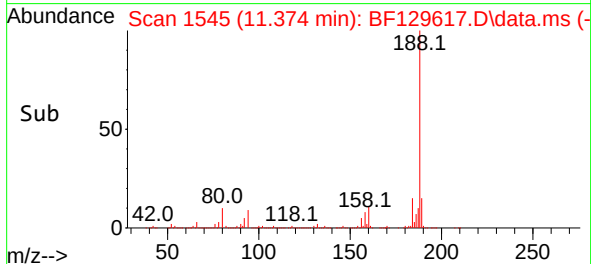
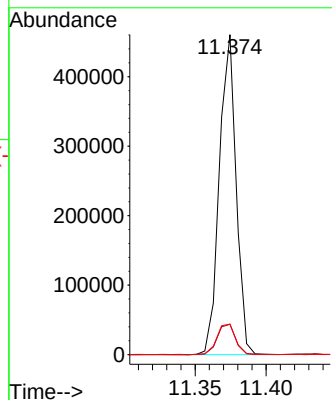
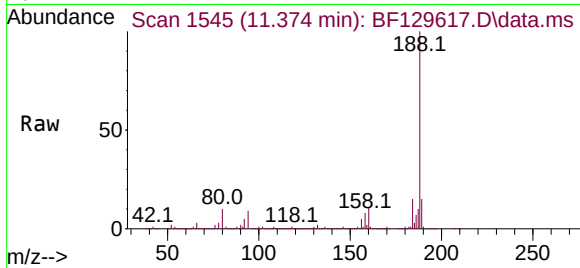
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.374 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF129617.D
Acq: 06 Aug 2022 00:39

Instrument :
BNA_F
ClientSampleId :
RVE-178

Tgt Ion:188 Resp: 379423
Ion Ratio Lower Upper
188 100
94 9.5 7.0 10.6
80 9.6 7.6 11.4

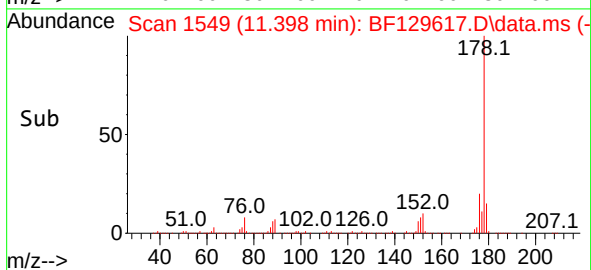
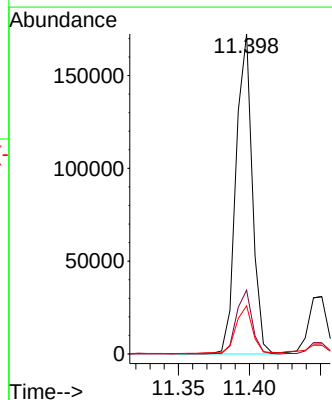
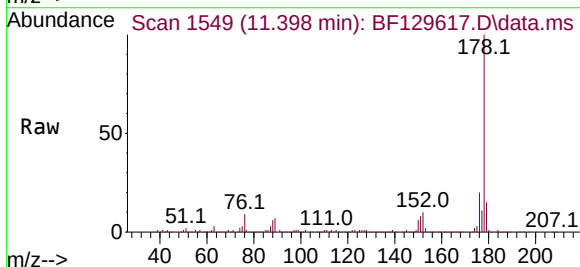
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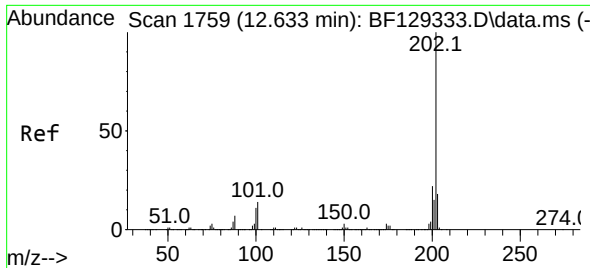
Reviewed By :Christian Giraldo 08/08/2022
Supervised By :Jagrut Upadhyay 08/08/2022



#71
Phenanthrene
Concen: 6.627 ng
RT: 11.398 min Scan# 1549
Delta R.T. -0.012 min
Lab File: BF129617.D
Acq: 06 Aug 2022 00:39

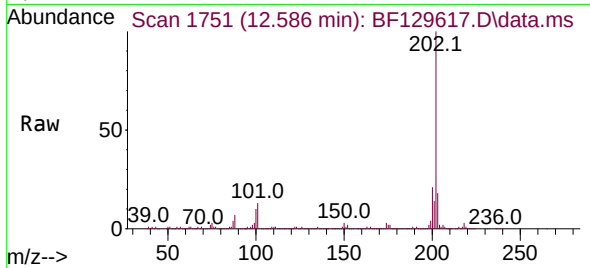
Tgt Ion:178 Resp: 137250
Ion Ratio Lower Upper
178 100
176 19.9 16.0 24.0
179 15.0 12.6 19.0





#75
Fluoranthene
Concen: 10.869 ng
RT: 12.586 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF129617.D
Acq: 06 Aug 2022 00:39

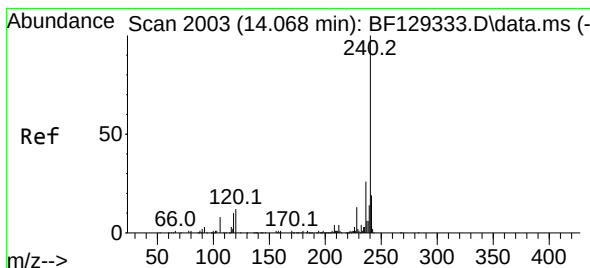
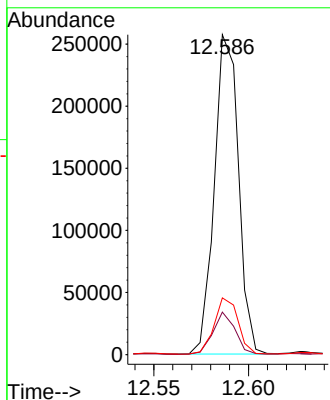
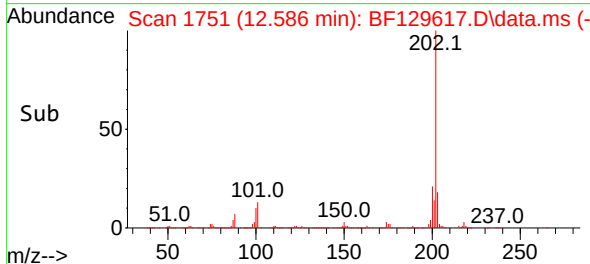
Instrument :
BNA_F
ClientSampleId :
RVE-178



Tgt Ion:202 Resp: 228097
Ion Ratio Lower Upper
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101 13.3 0.0 31.4
203 17.7 0.0 38.0

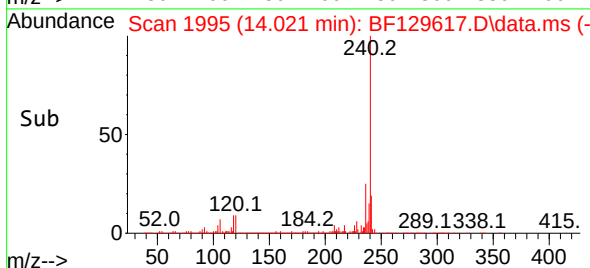
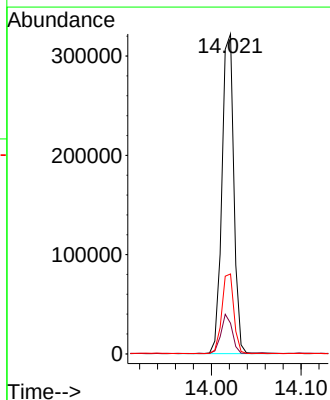
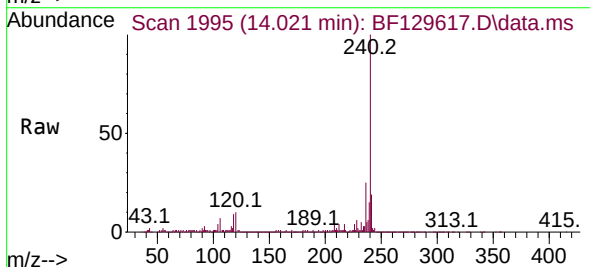
Manual Integrations
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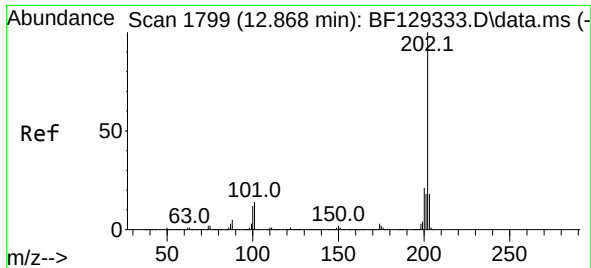
Reviewed By :Christian Giraldo 08/08/2022
Supervised By :Jagrut Upadhyay 08/08/2022



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.021 min Scan# 1995
Delta R.T. -0.006 min
Lab File: BF129617.D
Acq: 06 Aug 2022 00:39

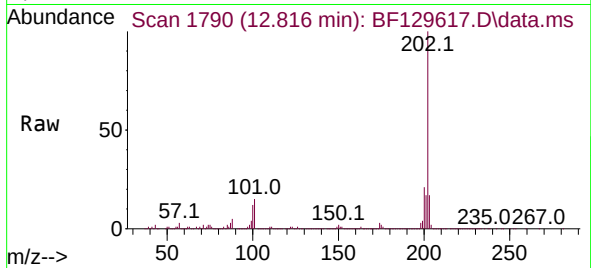
Tgt Ion:240 Resp: 297987
Ion Ratio Lower Upper
240 100
120 9.6 8.9 13.3
236 25.0 20.8 31.2





#78
Pyrene
Concen: 11.280 ng
RT: 12.816 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF129617.D
Acq: 06 Aug 2022 00:39

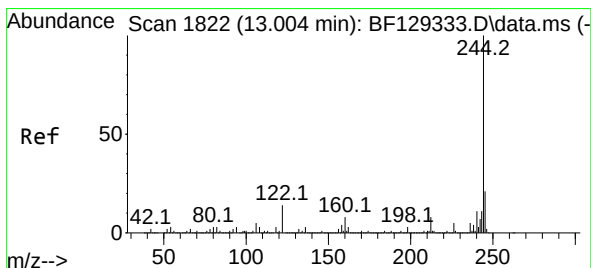
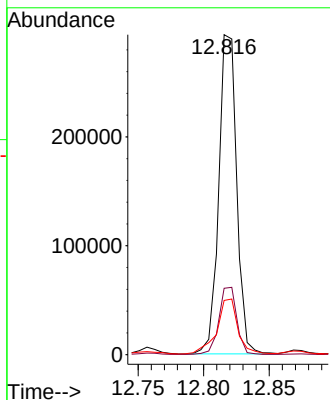
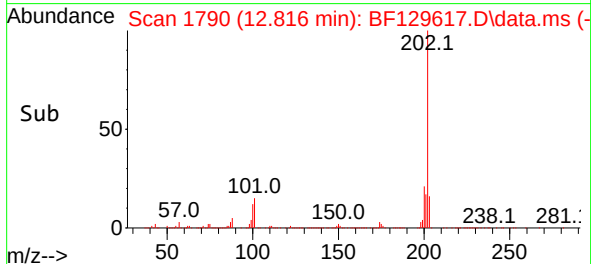
Instrument :
BNA_F
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RVE-178



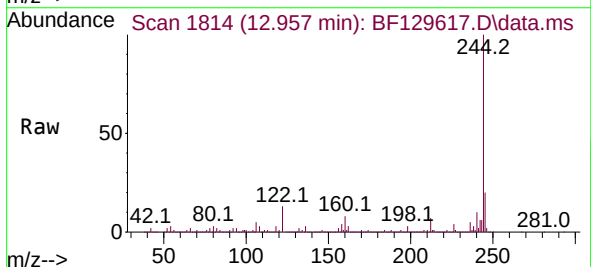
Tgt Ion:202 Resp: 281092
Ion Ratio Lower Upper
202 100
200 20.7 17.7 26.5
203 16.9 14.6 21.8

Manual Integrations
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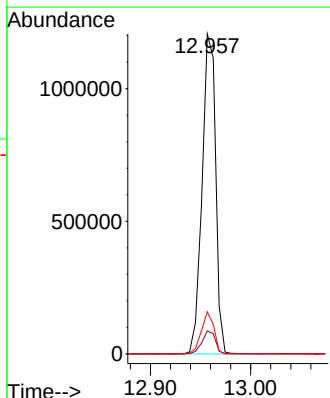
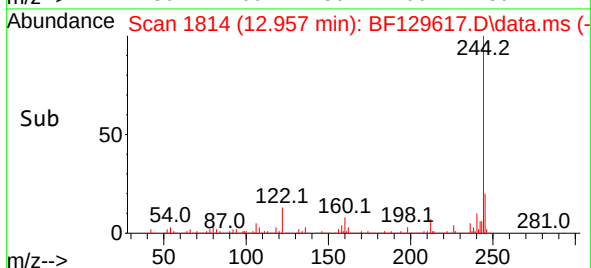
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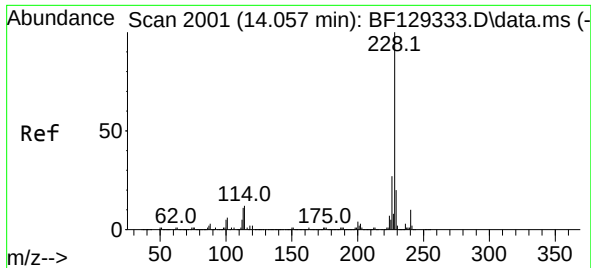


#79
Terphenyl-d14
Concen: 71.498 ng
RT: 12.957 min Scan# 1814
Delta R.T. -0.012 min
Lab File: BF129617.D
Acq: 06 Aug 2022 00:39



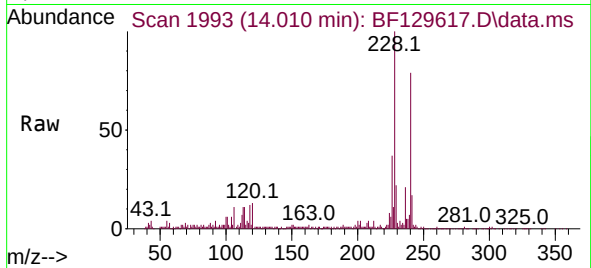
Tgt Ion:244 Resp: 1129319
Ion Ratio Lower Upper
244 100
212 7.2 6.1 9.1
122 13.2 8.8 13.2#





#81
Benzo(a)anthracene
Concen: 5.861 ng m
RT: 14.010 min Scan# 1993
Delta R.T. -0.006 min
Lab File: BF129617.D
Acq: 06 Aug 2022 00:39

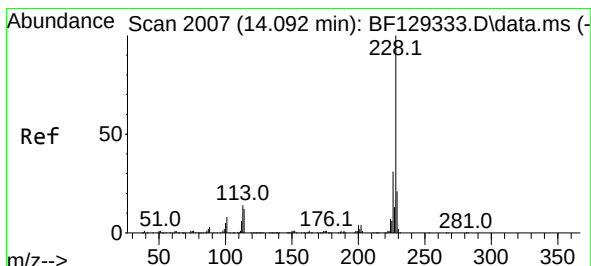
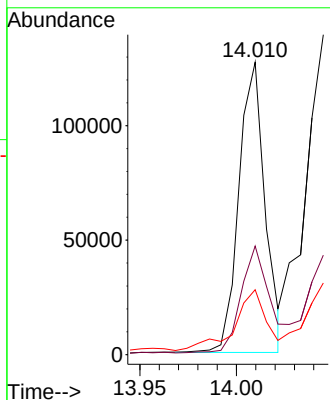
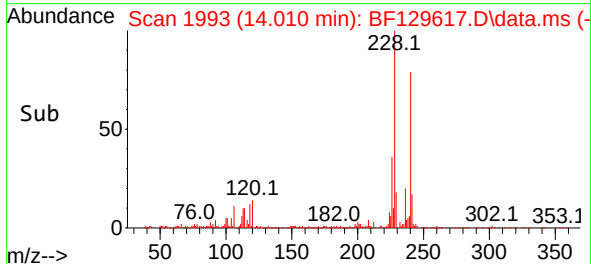
Instrument :
BNA_F
ClientSampleId :
RVE-178



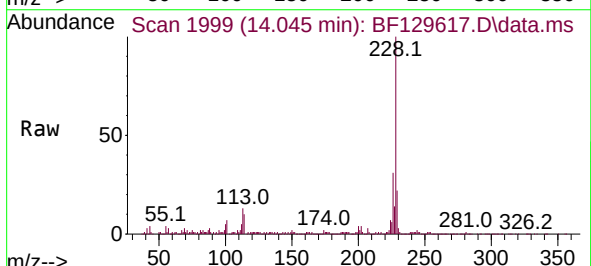
Tgt Ion:228 Resp: 119295
Ion Ratio Lower Upper
228 100
226 37.1 22.1 33.1
229 22.2 15.8 23.8

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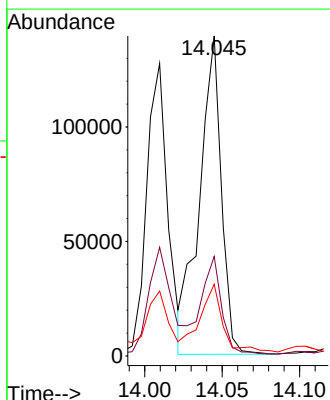
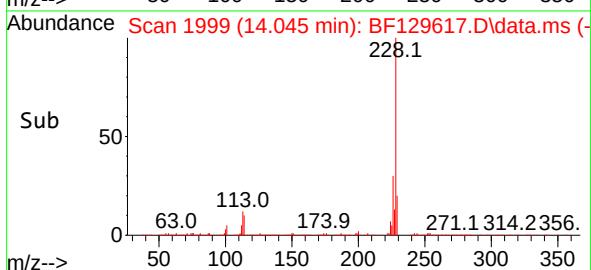
Reviewed By :Christian Giraldo 08/08/2022
Supervised By :Jagrut Upadhyay 08/08/2022

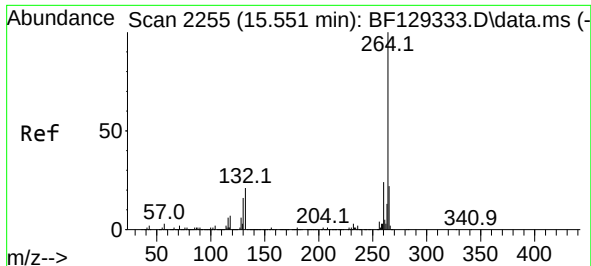


#83
Chrysene
Concen: 7.182 ng
RT: 14.045 min Scan# 1999
Delta R.T. -0.012 min
Lab File: BF129617.D
Acq: 06 Aug 2022 00:39



Tgt Ion:228 Resp: 137788
Ion Ratio Lower Upper
228 100
226 31.1 24.3 36.5
229 22.4 15.9 23.9





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.492 min Scan# 2497
Delta R.T. -0.012 min
Lab File: BF129617.D
Acq: 06 Aug 2022 00:39

Instrument :

BNA_F

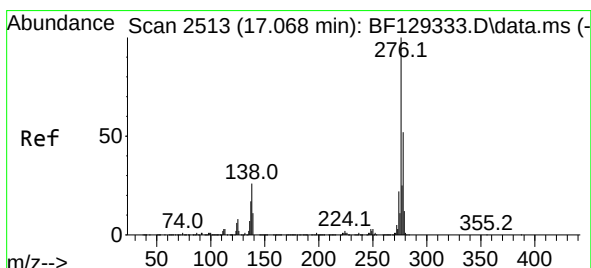
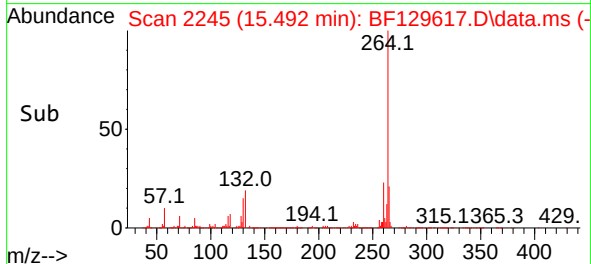
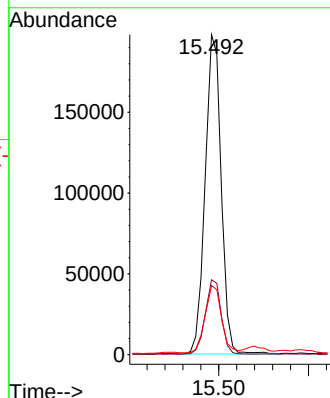
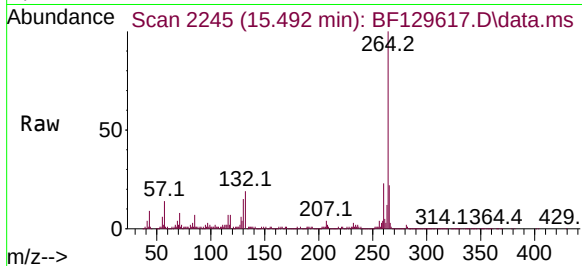
ClientSampleId :

RVE-178

Tgt Ion:264 Resp: 245513
Ion Ratio Lower Upper
264 100
260 23.4 18.4 27.6
265 21.6 17.2 25.8

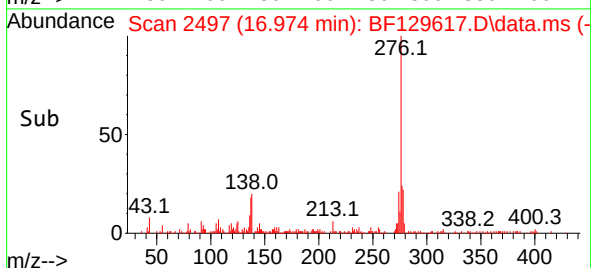
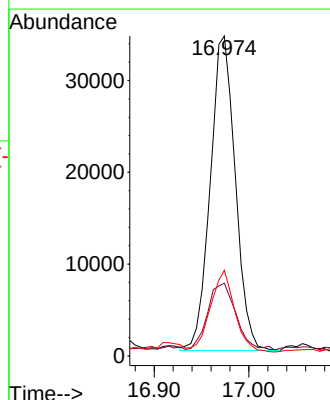
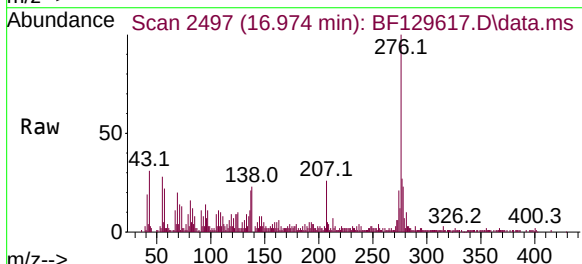
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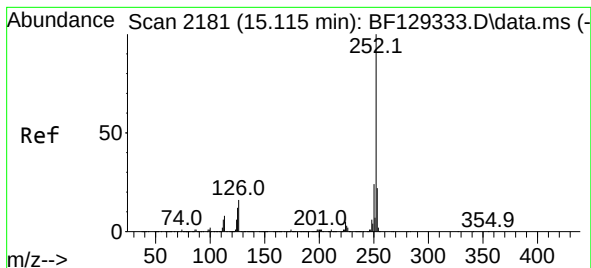
Reviewed By :Christian Giraldo 08/08/2022
Supervised By :Jagrut Upadhyay 08/08/2022



#87
Indeno(1,2,3-cd)pyrene
Concen: 3.811 ng
RT: 16.974 min Scan# 2497
Delta R.T. -0.024 min
Lab File: BF129617.D
Acq: 06 Aug 2022 00:39

Tgt Ion:276 Resp: 63010
Ion Ratio Lower Upper
276 100
138 24.1 21.1 31.7
277 25.3 20.3 30.5





#88

Benzo(b)fluoranthene

Concen: 9.248 ng m

RT: 15.062 min Scan# 2176

Delta R.T. -0.006 min

Lab File: BF129617.D

Acq: 06 Aug 2022 00:39

Instrument :

BNA_F

ClientSampleId :

RVE-178

Tgt Ion:252 Resp: 150616

Ion Ratio Lower Upper

252 100

253 22.6 17.7 26.5

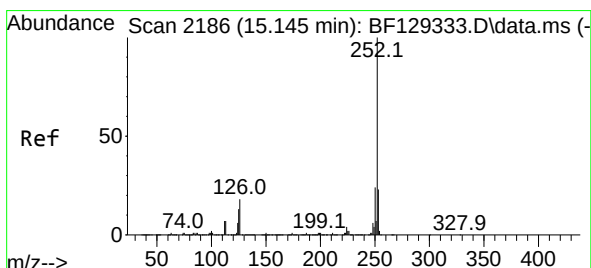
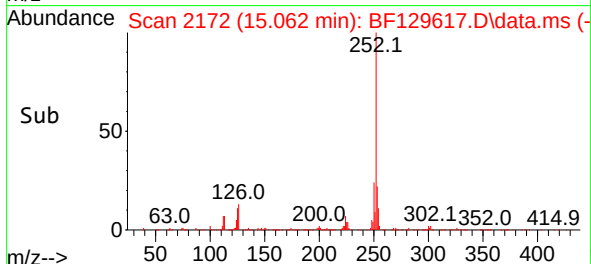
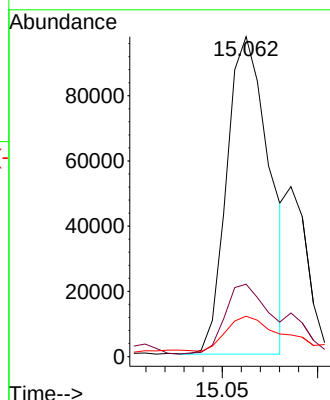
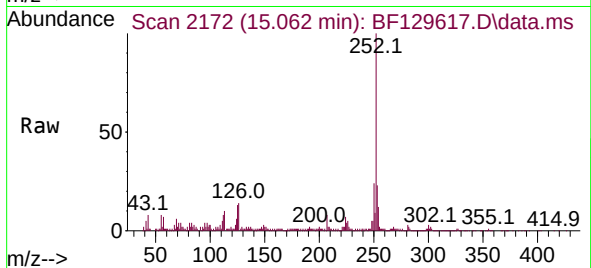
125 12.6 8.0 12.0

Manual Integrations

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Reviewed By :Christian Giraldo 08/08/2022

Supervised By :Jagrut Upadhyay 08/08/2022



#89

Benzo(k)fluoranthene

Concen: 2.507 ng m

RT: 15.086 min Scan# 2176

Delta R.T. -0.018 min

Lab File: BF129617.D

Acq: 06 Aug 2022 00:39

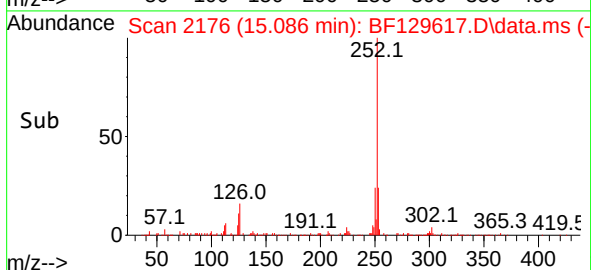
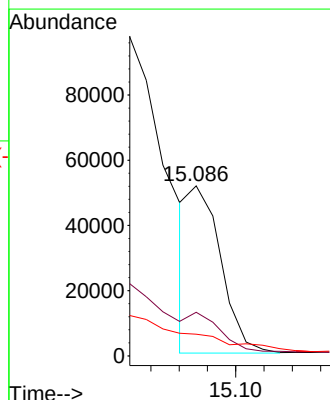
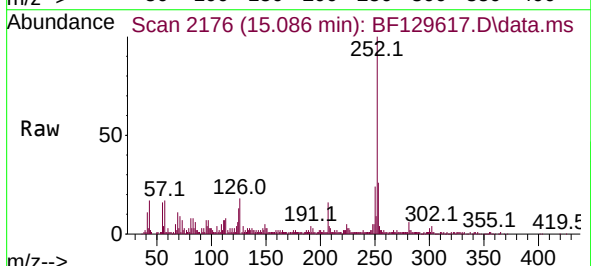
Tgt Ion:252 Resp: 40007

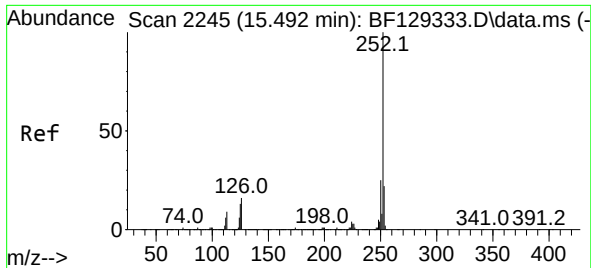
Ion Ratio Lower Upper

252 100

253 25.7 17.8 26.6

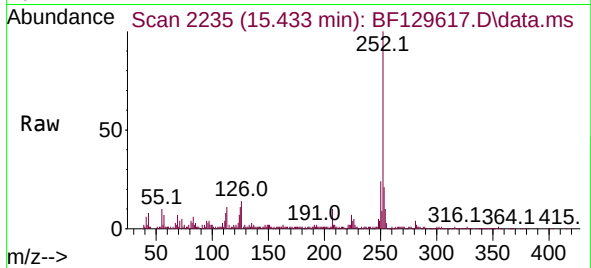
125 12.8 8.3 12.5





#90
Benzo(a)pyrene
Concen: 7.897 ng
RT: 15.433 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF129617.D
Acq: 06 Aug 2022 00:39

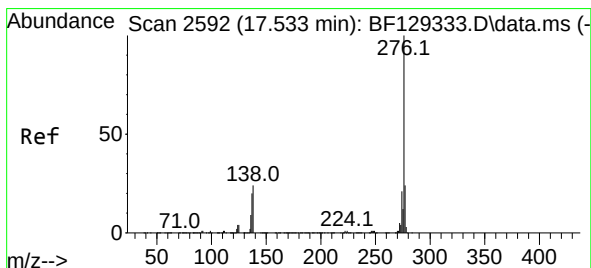
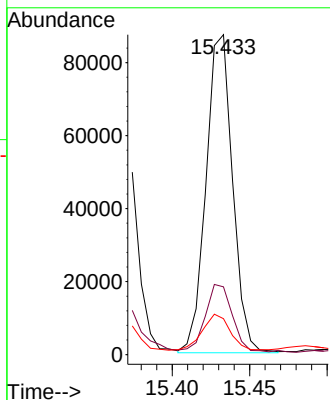
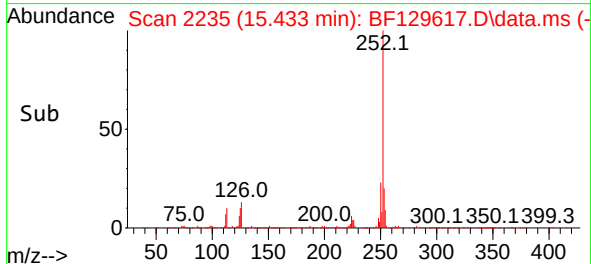
Instrument :
BNA_F
ClientSampleId :
RVE-178



Tgt Ion:252 Resp: 104406
Ion Ratio Lower Upper
252 100
253 21.2 17.0 25.6
125 11.2 8.8 13.2

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



#92
Benzo(g,h,i)perylene
Concen: 5.078 ng
RT: 17.427 min Scan# 2574
Delta R.T. -0.024 min
Lab File: BF129617.D
Acq: 06 Aug 2022 00:39

Tgt Ion:276 Resp: 69817
Ion Ratio Lower Upper
276 100
277 25.5 19.1 28.7
138 24.9 18.0 27.0

