

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080922\
 Data File : BF129677.D
 Acq On : 09 Aug 2022 21:10
 Operator : CG\JU
 Sample : N3963-01
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RVE-206

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 08/10/2022
 Supervised By : Jagrut Upadhyay 08/10/2022

Quant Time: Aug 10 05:34:50 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF072522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 05 16:27:34 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.840	152	184294	20.000	ng	-0.01
21) Naphthalene-d8	8.122	136	709609	20.000	ng	-0.01
39) Acenaphthene-d10	9.880	164	331691	20.000	ng	-0.01
64) Phenanthrene-d10	11.369	188	443607	20.000	ng	-0.01
76) Chrysene-d12	14.016	240	292520	20.000	ng	-0.01
86) Perylene-d12	15.492	264	294211	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	1180002	104.302	ng	0.00
7) Phenol-d6	6.492	99	1468932	103.299	ng	-0.01
23) Nitrobenzene-d5	7.410	82	921882	70.918	ng	-0.01
42) 2,4,6-Tribromophenol	10.675	330	301679	94.601	ng	-0.01
45) 2-Fluorobiphenyl	9.198	172	1599259	74.587	ng	-0.01
79) Terphenyl-d14	12.957	244	1120825	72.287	ng	-0.01
Target Compounds						Qvalue
75) Fluoranthene	12.580	202	116071	4.731	ng	99
78) Pyrene	12.816	202	116457	4.761	ng	97
81) Benzo(a)anthracene	14.004	228	77535	3.880	ng	99
83) Chrysene	14.039	228	83861	4.453	ng	96
88) Benzo(b)fluoranthene	15.057	252	138502m	7.097	ng	
89) Benzo(k)fluoranthene	15.086	252	45099m	2.358	ng	
90) Benzo(a)pyrene	15.427	252	94119	5.941	ng	95
92) Benzo(g,h,i)perylene	17.421	276	56613	3.436	ng	97

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

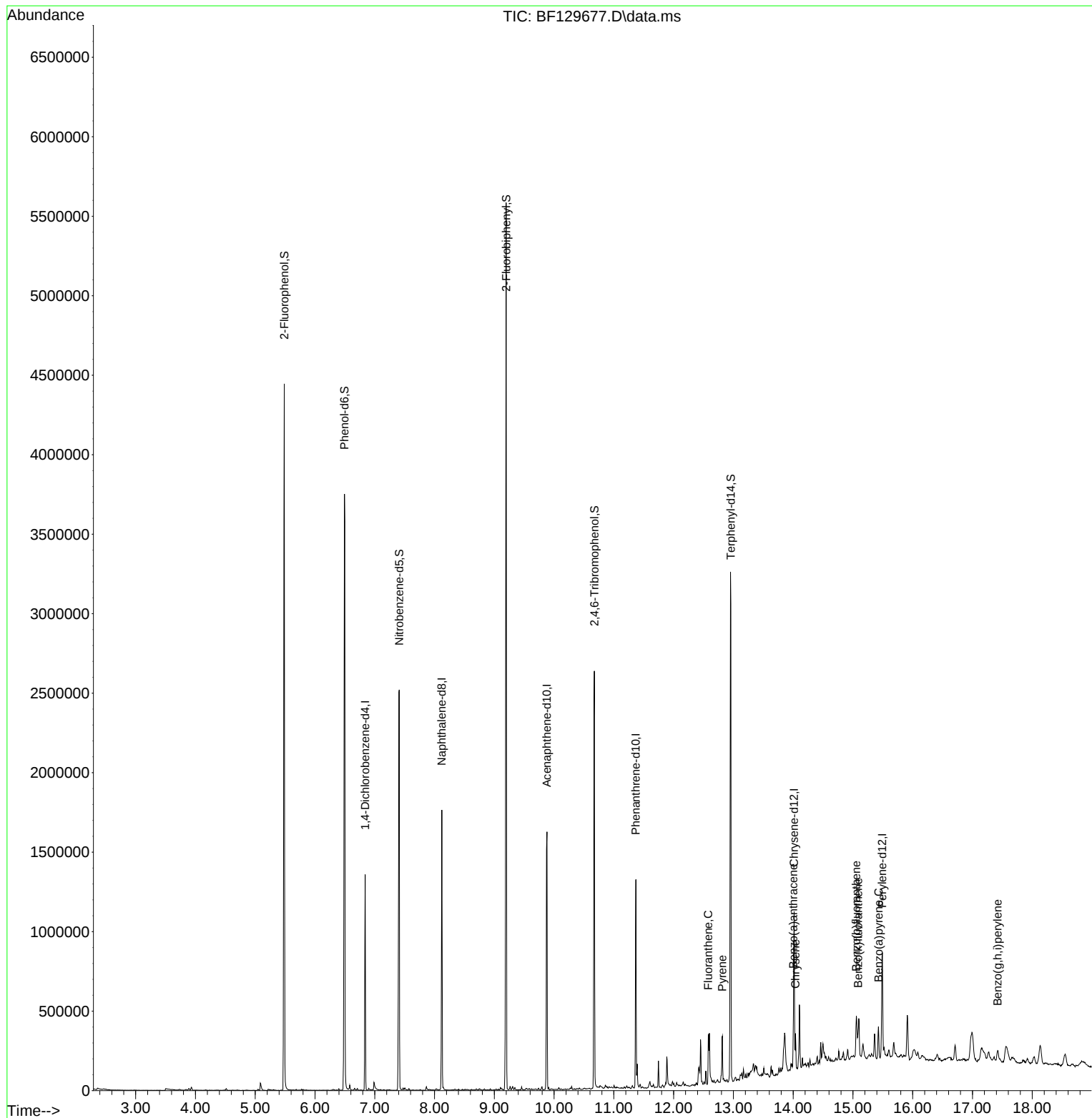
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080922\
Data File : BF129677.D
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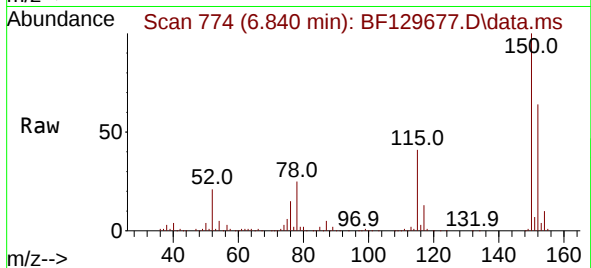
Reviewed By : Christian Giraldo 08/10/2022
Supervised By : Jagrut Upadhyay 08/10/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.840 min Scan# 71
Delta R.T. -0.011 min
Lab File: BF129677.D
Acq: 09 Aug 2022 21:10

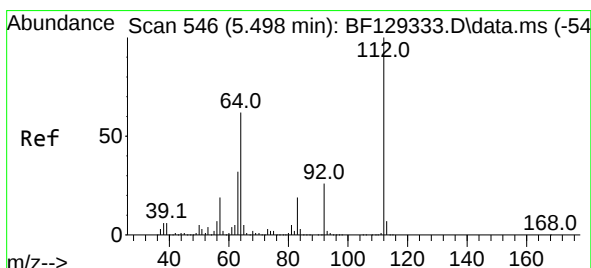
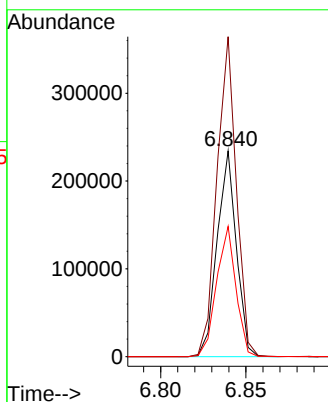
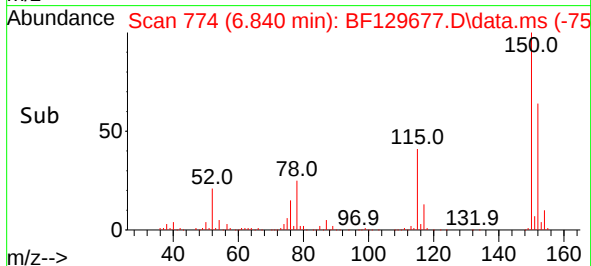
Instrument :
BNA_F
ClientSampleId :
RVE-206



Tgt Ion:152 Resp: 184294
Ion Ratio Lower Upper
152 100
150 155.6 123.7 185.5
115 63.4 49.9 74.9

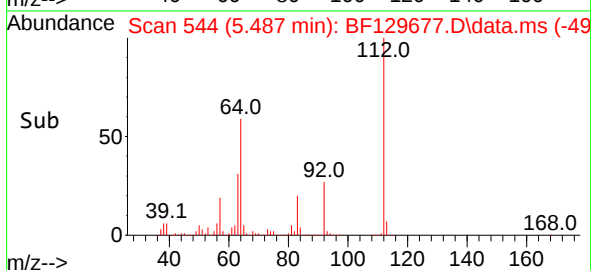
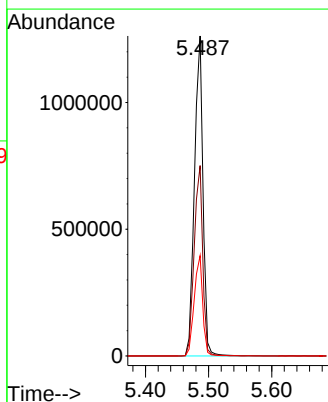
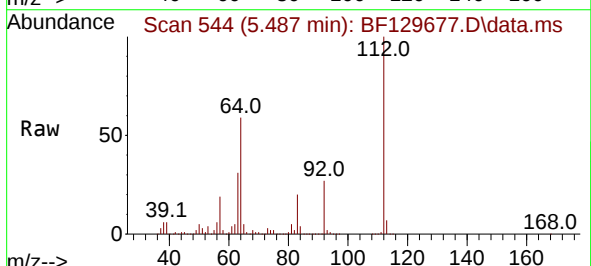
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#5
2-Fluorophenol
Concen: 104.302 ng
RT: 5.487 min Scan# 544
Delta R.T. 0.006 min
Lab File: BF129677.D
Acq: 09 Aug 2022 21:10

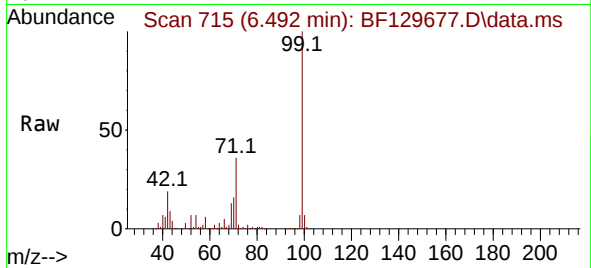
Tgt Ion:112 Resp: 1180002
Ion Ratio Lower Upper
112 100
64 59.5 53.3 79.9
63 31.3 28.0 42.0





#7
Phenol-d6
Concen: 103.299 ng
RT: 6.492 min Scan# 719
Delta R.T. -0.012 min
Lab File: BF129677.D
Acq: 09 Aug 2022 21:10

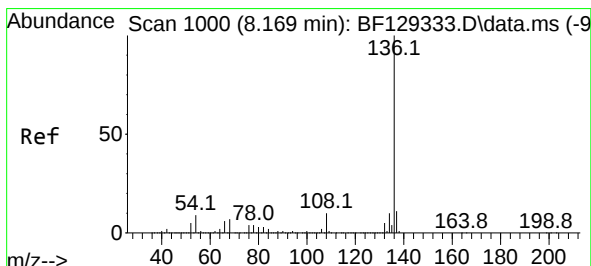
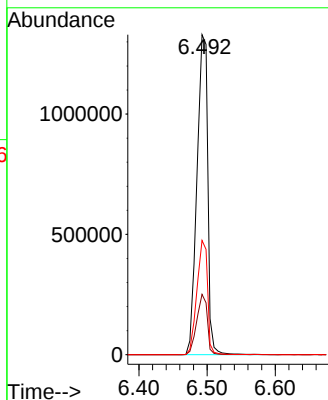
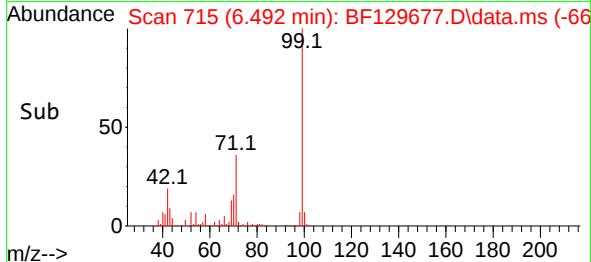
Instrument :
BNA_F
ClientSampleId :
RVE-206



Tgt Ion: 99 Resp: 146893
Ion Ratio Lower Upper
99 100
42 18.8 17.3 25.9
71 35.7 28.9 43.3

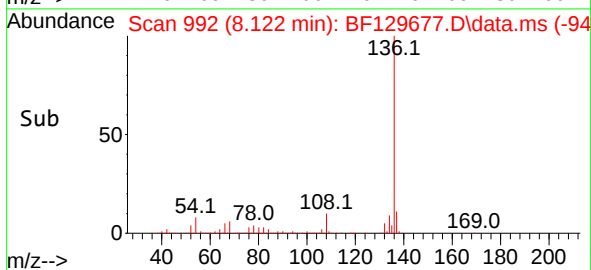
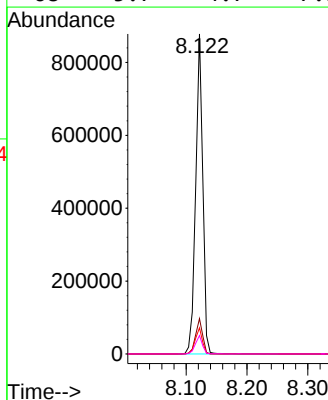
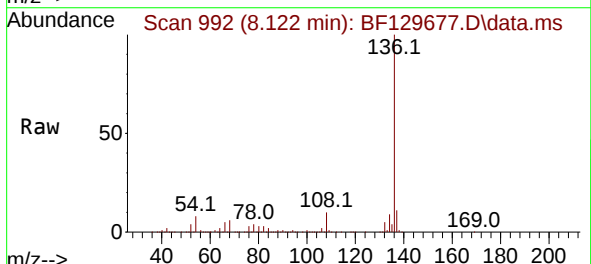
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#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.122 min Scan# 992
Delta R.T. -0.012 min
Lab File: BF129677.D
Acq: 09 Aug 2022 21:10

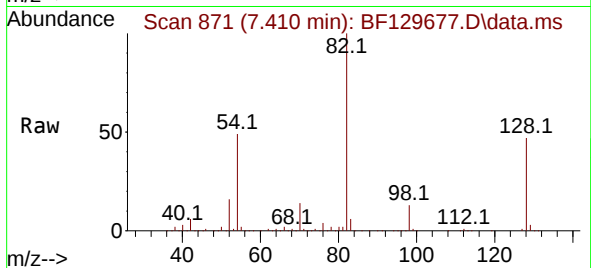
Tgt Ion:136 Resp: 709609
Ion Ratio Lower Upper
136 100
137 11.0 8.8 13.2
54 8.2 7.5 11.3
68 5.7 4.7 7.1





#23
Nitrobenzene-d5
Concen: 70.918 ng
RT: 7.410 min Scan# 81
Delta R.T. -0.012 min
Lab File: BF129677.D
Acq: 09 Aug 2022 21:10

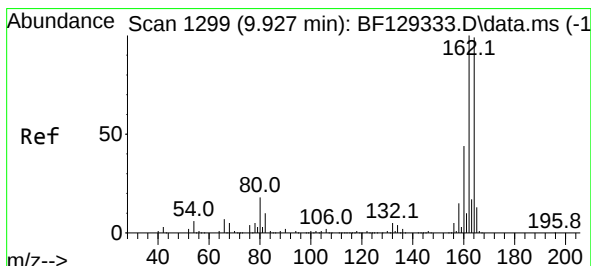
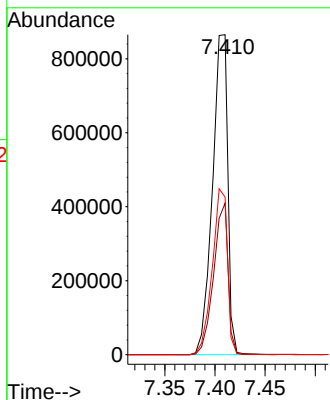
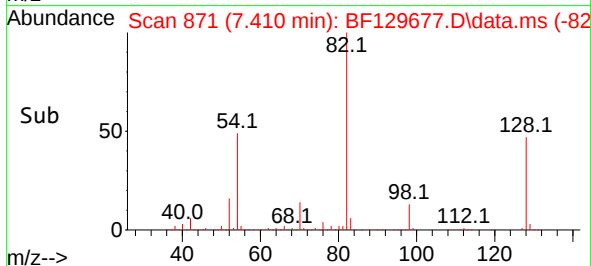
Instrument :
BNA_F
ClientSampleId :
RVE-206



Tgt Ion: 82 Resp: 92188
Ion Ratio Lower Upper
82 100
128 47.4 34.0 51.0
54 49.2 46.9 70.3

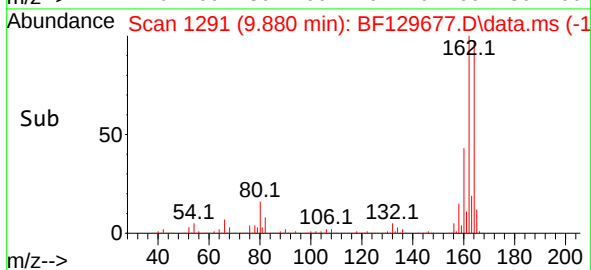
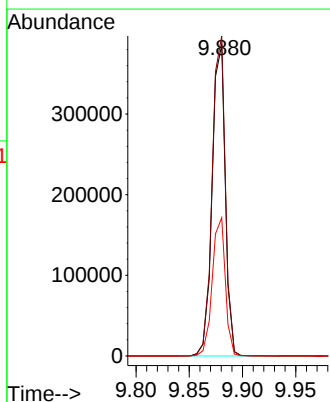
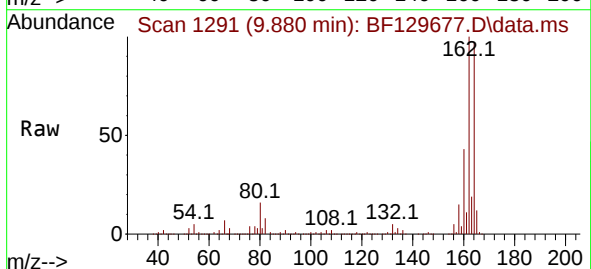
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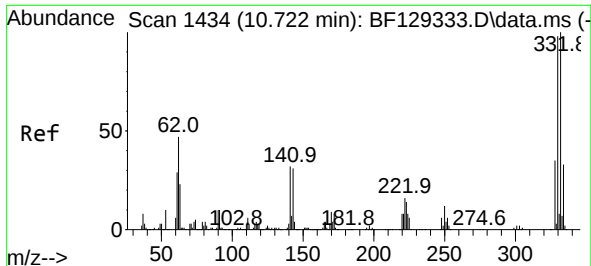
Reviewed By :Christian Giraldo 08/10/2022
Supervised By :Jagrut Upadhyay 08/10/2022



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.880 min Scan# 1291
Delta R.T. -0.012 min
Lab File: BF129677.D
Acq: 09 Aug 2022 21:10

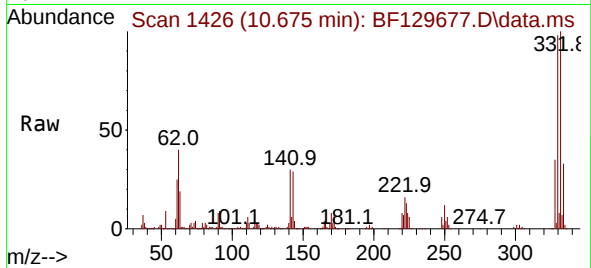
Tgt Ion:164 Resp: 331691
Ion Ratio Lower Upper
164 100
162 102.8 79.5 119.3
160 44.4 34.2 51.4





#42
2,4,6-Tribromophenol
Concen: 94.601 ng
RT: 10.675 min Scan# 1434
Delta R.T. -0.012 min
Lab File: BF129677.D
Acq: 09 Aug 2022 21:10

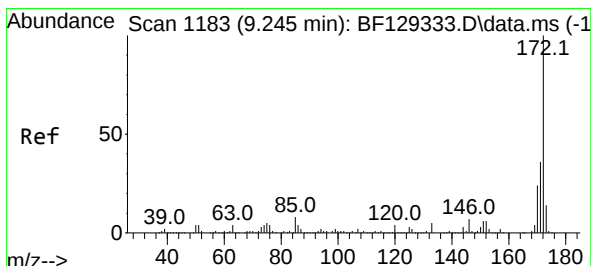
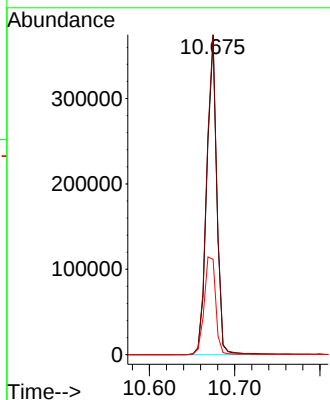
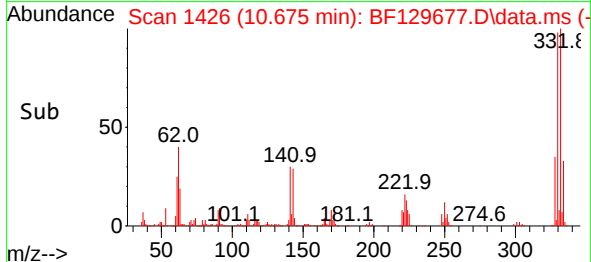
Instrument :
BNA_F
ClientSampleId :
RVE-206



Tgt Ion: 330 Resp: 301679
Ion Ratio Lower Upper
330 100
332 103.1 76.8 115.2
141 35.9 28.0 42.0

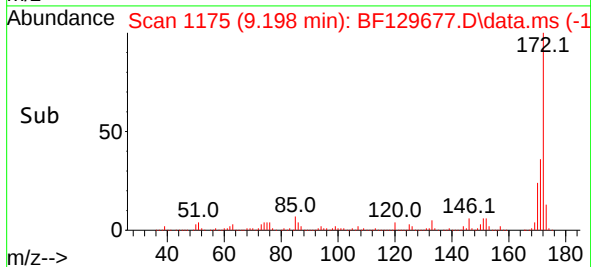
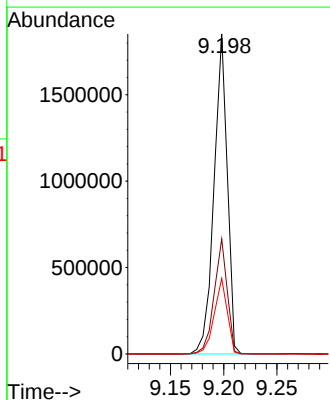
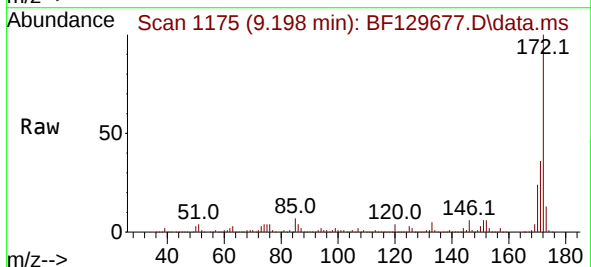
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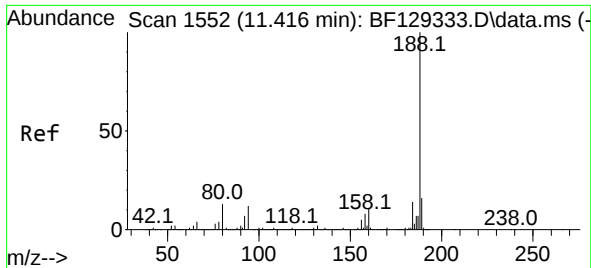
Reviewed By : Christian Giraldo 08/10/2022
Supervised By : Jagrut Upadhyay 08/10/2022



#45
2-Fluorobiphenyl
Concen: 74.587 ng
RT: 9.198 min Scan# 1175
Delta R.T. -0.012 min
Lab File: BF129677.D
Acq: 09 Aug 2022 21:10

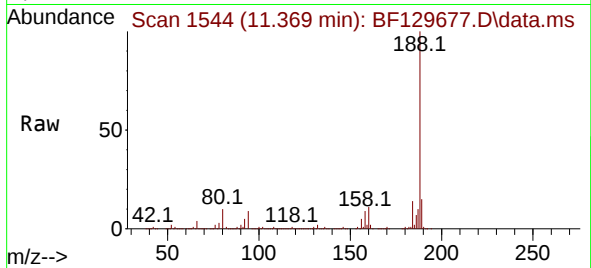
Tgt Ion: 172 Resp: 1599259
Ion Ratio Lower Upper
172 100
171 36.0 28.8 43.2
170 23.6 19.8 29.8





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.369 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF129677.D
Acq: 09 Aug 2022 21:10

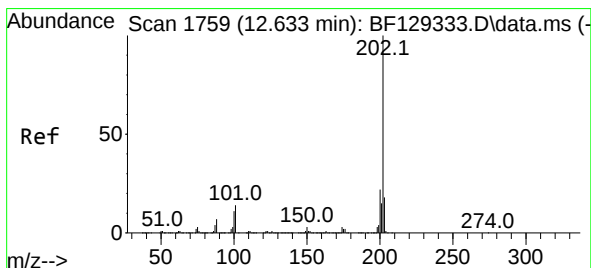
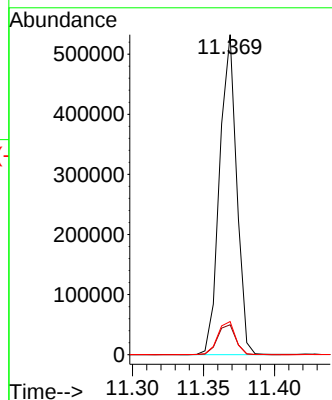
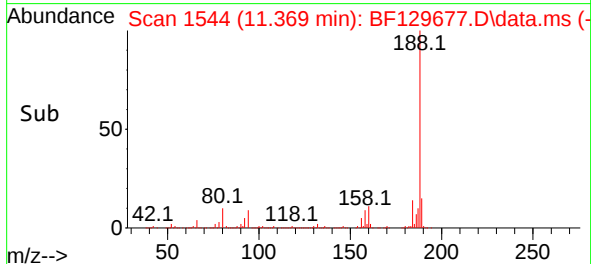
Instrument :
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RVE-206



Tgt Ion:188 Resp: 44360
Ion Ratio Lower Upper
188 100
94 9.4 7.0 10.6
80 10.4 7.6 11.4

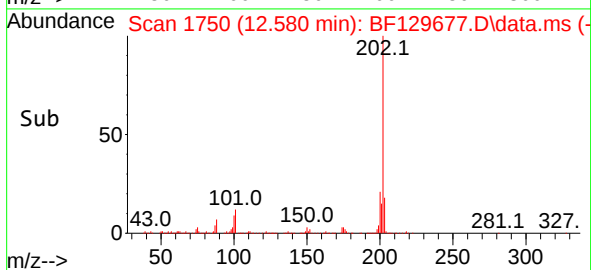
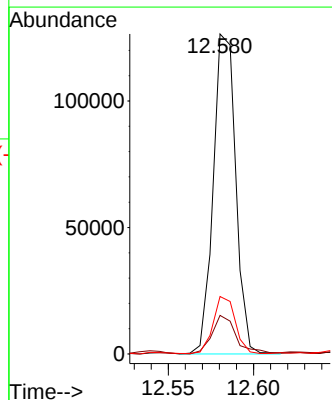
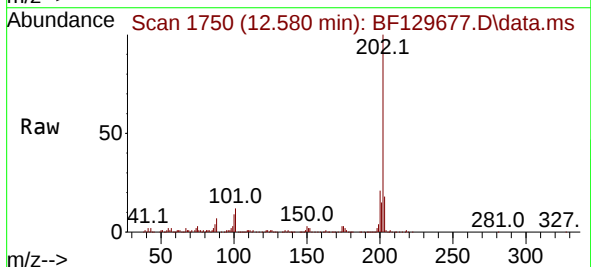
Manual Integrations
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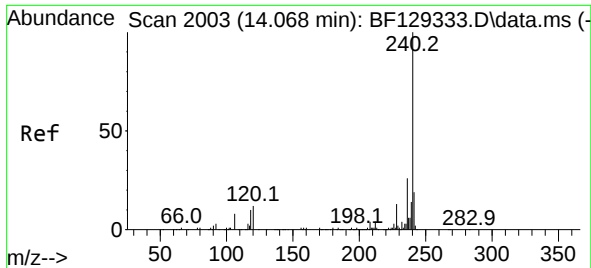
Reviewed By :Christian Giraldo 08/10/2022
Supervised By :Jagrut Upadhyay 08/10/2022



#75
Fluoranthene
Concen: 4.731 ng
RT: 12.580 min Scan# 1750
Delta R.T. -0.018 min
Lab File: BF129677.D
Acq: 09 Aug 2022 21:10

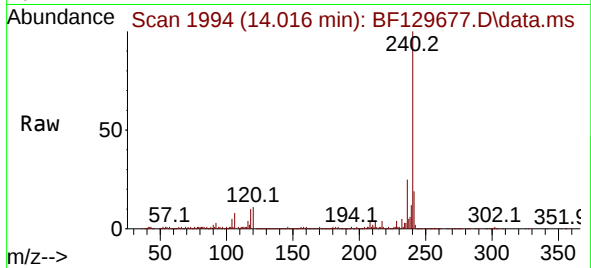
Tgt Ion:202 Resp: 116071
Ion Ratio Lower Upper
202 100
101 12.0 0.0 31.4
203 17.9 0.0 38.0





#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.016 min Scan# 1994
Delta R.T. -0.012 min
Lab File: BF129677.D
Acq: 09 Aug 2022 21:10

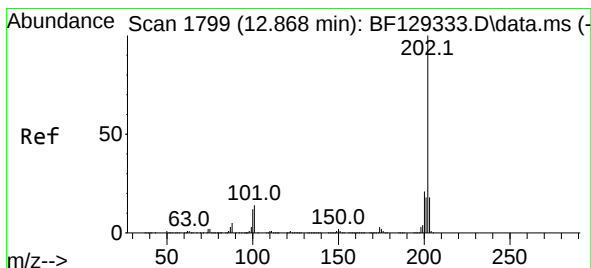
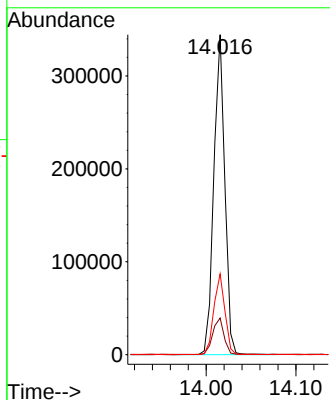
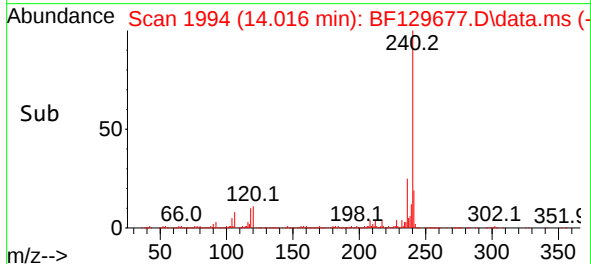
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RVE-206



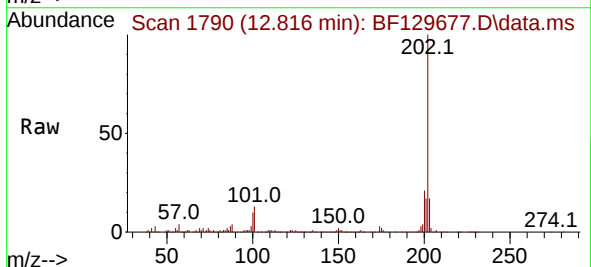
Tgt Ion:240 Resp: 292520
Ion Ratio Lower Upper
240 100
120 11.5 8.9 13.3
236 25.2 20.8 31.2

Manual Integrations
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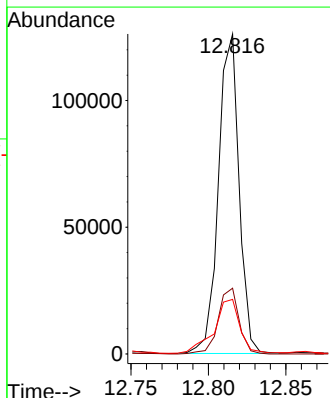
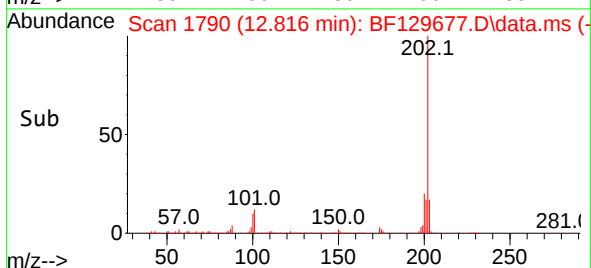
Reviewed By :Christian Giraldo 08/10/2022
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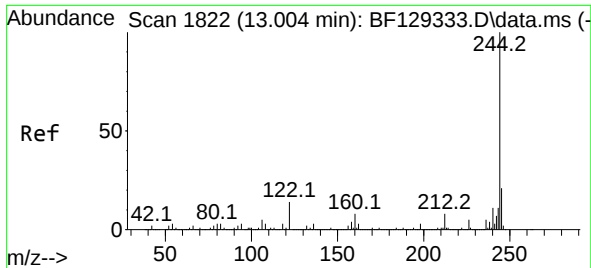


#78
Pyrene
Concen: 4.761 ng
RT: 12.816 min Scan# 1790
Delta R.T. -0.012 min
Lab File: BF129677.D
Acq: 09 Aug 2022 21:10



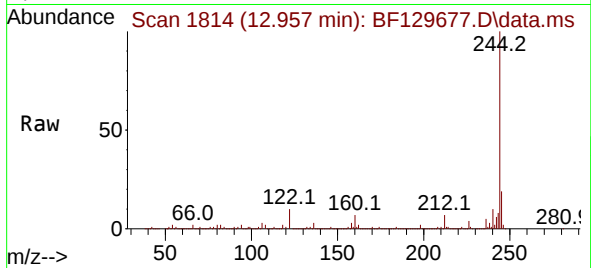
Tgt Ion:202 Resp: 116457
Ion Ratio Lower Upper
202 100
200 20.5 17.7 26.5
203 17.1 14.6 21.8





#79
 Terphenyl-d14
 Concen: 72.287 ng
 RT: 12.957 min Scan# 11
 Delta R.T. -0.012 min
 Lab File: BF129677.D
 Acq: 09 Aug 2022 21:10

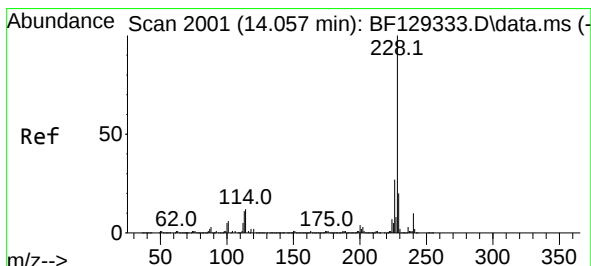
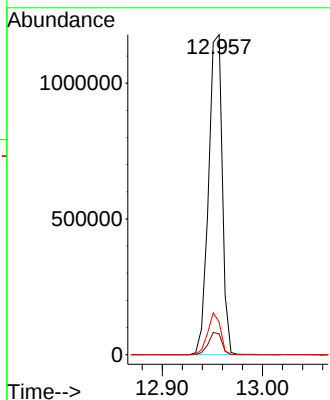
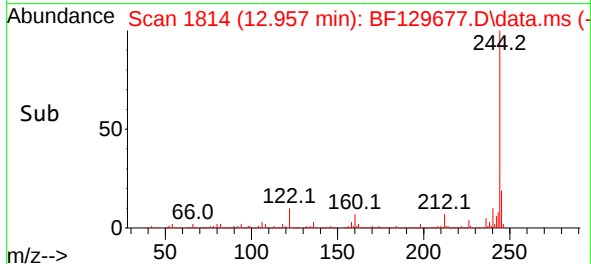
Instrument :
 BNA_F
 ClientSampleId :
 RVE-206



Tgt Ion:244 Resp: 1120825
 Ion Ratio Lower Upper
 244 100
 212 6.5 6.1 9.1
 122 10.2 8.8 13.2

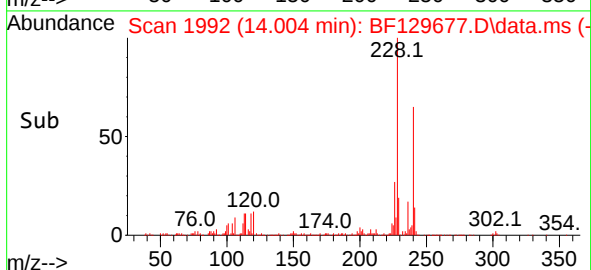
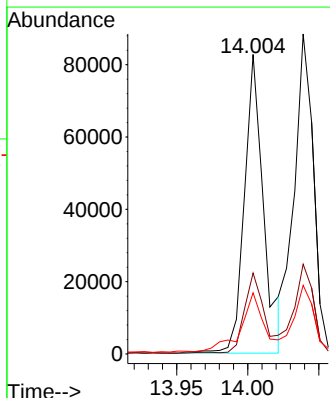
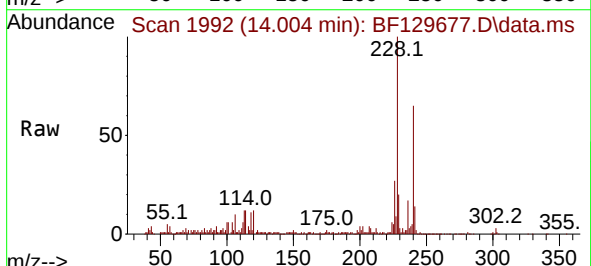
Manual Integrations
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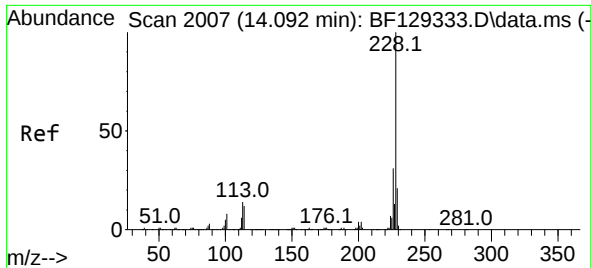
Reviewed By :Christian Giraldo 08/10/2022
 Supervised By :Jagrut Upadhyay 08/10/2022



#81
 Benzo(a)anthracene
 Concen: 3.880 ng
 RT: 14.004 min Scan# 1992
 Delta R.T. -0.012 min
 Lab File: BF129677.D
 Acq: 09 Aug 2022 21:10

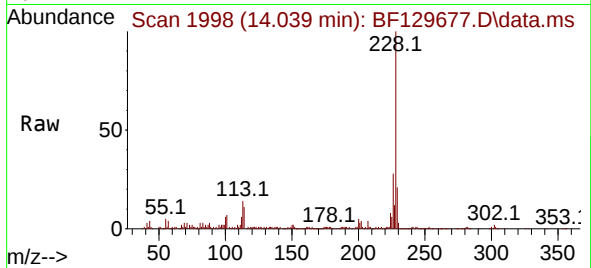
Tgt Ion:228 Resp: 77535
 Ion Ratio Lower Upper
 228 100
 226 27.1 22.1 33.1
 229 20.4 15.8 23.8





#83
Chrysene
Concen: 4.453 ng
RT: 14.039 min Scan# 1998
Delta R.T. -0.018 min
Lab File: BF129677.D
Acq: 09 Aug 2022 21:10

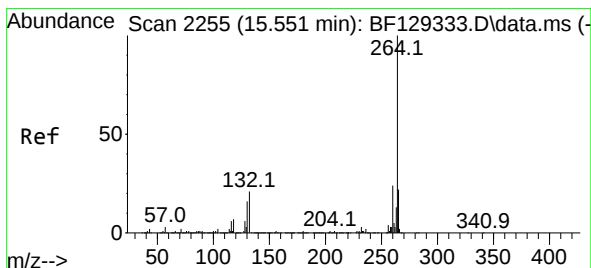
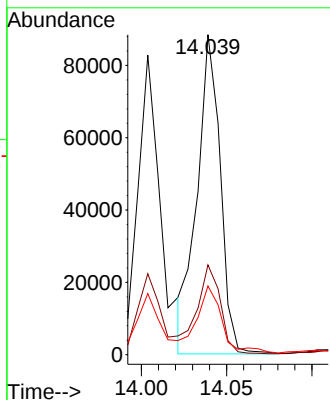
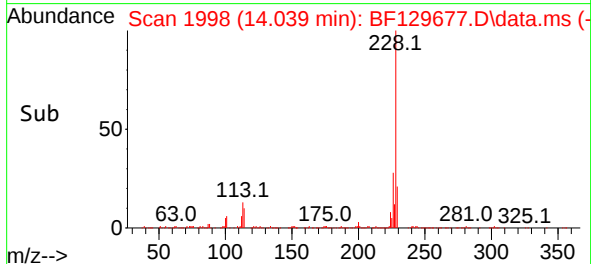
Instrument :
BNA_F
ClientSampleId :
RVE-206



Tgt Ion:228 Resp: 8386
Ion Ratio Lower Upper
228 100
226 28.1 24.3 36.5
229 21.5 15.9 23.9

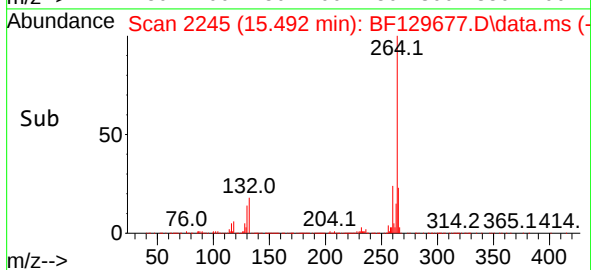
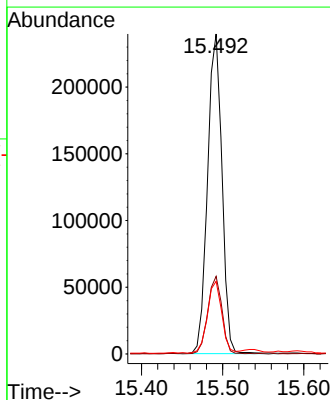
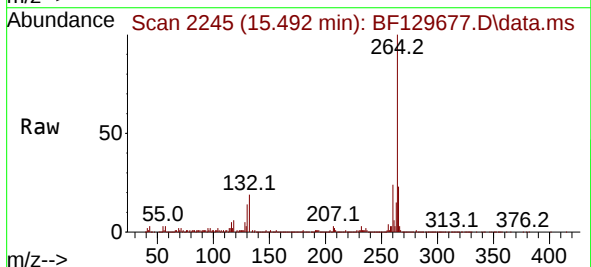
Manual Integrations
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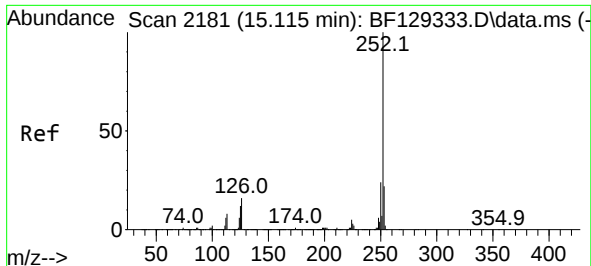
Reviewed By :Christian Giraldo 08/10/2022
Supervised By :Jagrut Upadhyay 08/10/2022



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.492 min Scan# 2245
Delta R.T. -0.012 min
Lab File: BF129677.D
Acq: 09 Aug 2022 21:10

Tgt Ion:264 Resp: 294211
Ion Ratio Lower Upper
264 100
260 24.3 18.4 27.6
265 22.7 17.2 25.8





#88

Benzo(b)fluoranthene

Concen: 7.097 ng m

RT: 15.057 min Scan# 2171

Delta R.T. -0.012 min

Lab File: BF129677.D

Acq: 09 Aug 2022 21:10

Instrument :

BNA_F

ClientSampleId :

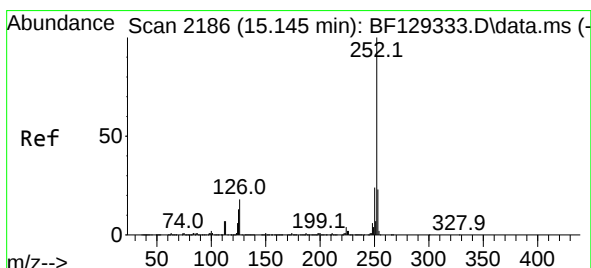
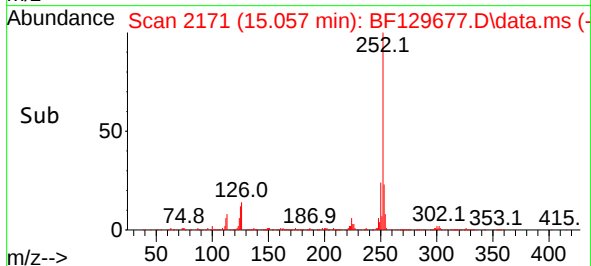
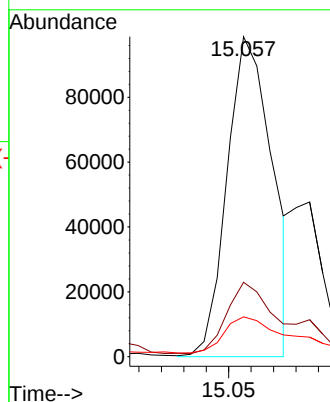
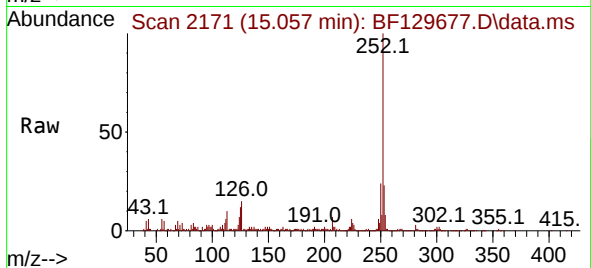
RVE-206

Tgt Ion:252 Resp: 138502
 Ion Ratio Lower Upper
 252 100
 253 23.3 17.7 26.5
 125 12.5 8.0 12.0

Manual Integrations

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Reviewed By :Christian Giraldo 08/10/2022
 Supervised By :Jagrut Upadhyay 08/10/2022



#89

Benzo(k)fluoranthene

Concen: 2.358 ng m

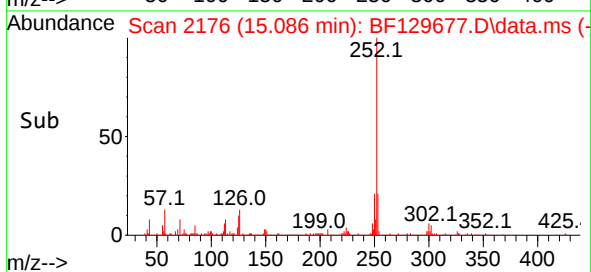
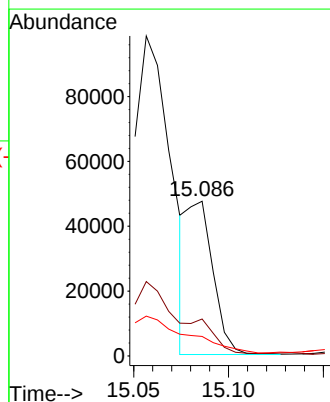
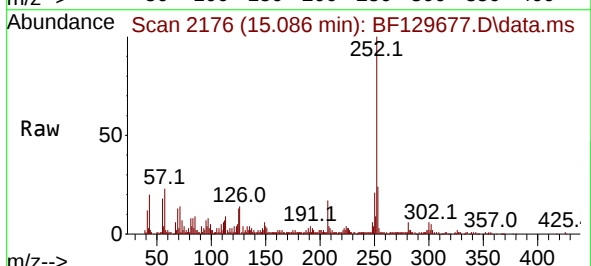
RT: 15.086 min Scan# 2176

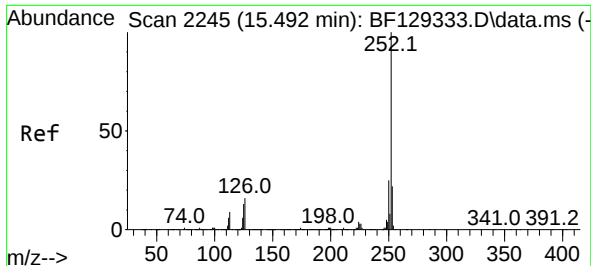
Delta R.T. -0.018 min

Lab File: BF129677.D

Acq: 09 Aug 2022 21:10

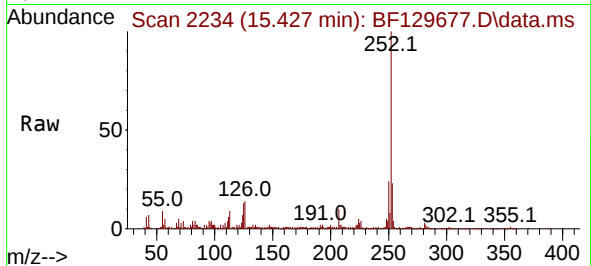
Tgt Ion:252 Resp: 45099
 Ion Ratio Lower Upper
 252 100
 253 23.9 17.8 26.6
 125 12.7 8.3 12.5





#90
Benzo(a)pyrene
Concen: 5.941 ng
RT: 15.427 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF129677.D
Acq: 09 Aug 2022 21:10

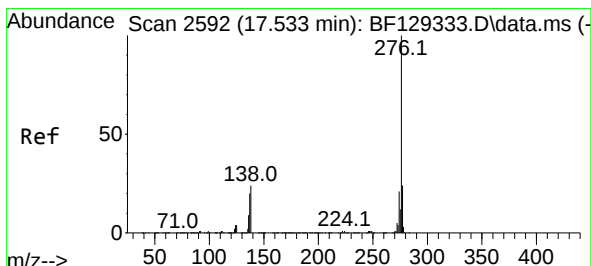
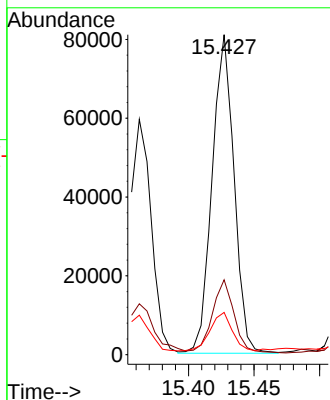
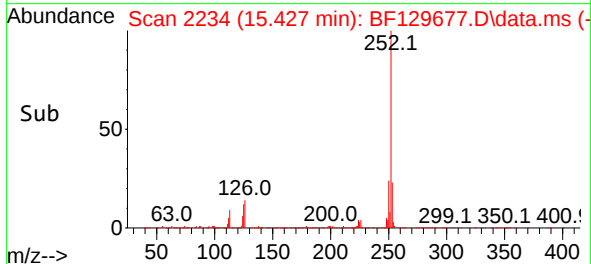
Instrument :
BNA_F
ClientSampleId :
RVE-206



Tgt Ion:252 Resp: 94119
Ion Ratio Lower Upper
252 100
253 23.4 17.0 25.6
125 13.2 8.8 13.2

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 08/10/2022
Supervised By :Jagrut Upadhyay 08/10/2022



#92
Benzo(g,h,i)perylene
Concen: 3.436 ng
RT: 17.421 min Scan# 2573
Delta R.T. -0.029 min
Lab File: BF129677.D
Acq: 09 Aug 2022 21:10

Tgt Ion:276 Resp: 56613
Ion Ratio Lower Upper
276 100
277 24.6 19.1 28.7
138 24.4 18.0 27.0

