

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080422\
 Data File : BF129590.D
 Acq On : 05 Aug 2022 02:32
 Operator : CG\JU
 Sample : N3931-12
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RVE-123

Manual Integrations
 APPROVED

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

Quant Time: Aug 05 03:17:37 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	164012	20.000	ng	0.00
21) Naphthalene-d8	8.139	136	575719	20.000	ng	0.00
39) Acenaphthene-d10	9.898	164	245597	20.000	ng	0.00
64) Phenanthrene-d10	11.386	188	355944	20.000	ng	0.00
76) Chrysene-d12	14.033	240	296437	20.000	ng	0.00
86) Perylene-d12	15.515	264	238147	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	1150835	114.303	ng	0.01
7) Phenol-d6	6.516	99	1398470	110.505	ng	0.00
23) Nitrobenzene-d5	7.422	82	868331	82.334	ng	-0.01
42) 2,4,6-Tribromophenol	10.692	330	253739	107.460	ng	0.00
45) 2-Fluorobiphenyl	9.216	172	1381962	87.046	ng	0.00
79) Terphenyl-d14	12.974	244	1215321	77.345	ng	0.00
Target Compounds						Qvalue
49) Acenaphthylene	9.757	152	112044	5.089	ng	97
71) Phenanthrene	11.410	178	63044	3.245	ng	98
72) Anthracene	11.463	178	55113	2.886	ng	99
75) Fluoranthene	12.598	202	108285	5.500	ng	96
78) Pyrene	12.833	202	220664	8.902	ng	98
81) Benzo(a)anthracene	14.021	228	93419m	4.613	ng	
83) Chrysene	14.057	228	118156m	6.191	ng	
87) Indeno(1,2,3-cd)pyrene	17.004	276	59536	3.712	ng	95
88) Benzo(b)fluoranthene	15.080	252	114570m	7.253	ng	
89) Benzo(k)fluoranthene	15.104	252	32094m	2.073	ng	
90) Benzo(a)pyrene	15.451	252	103159	8.044	ng	98
92) Benzo(g,h,i)perylene	17.468	276	78397	5.878	ng	97

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

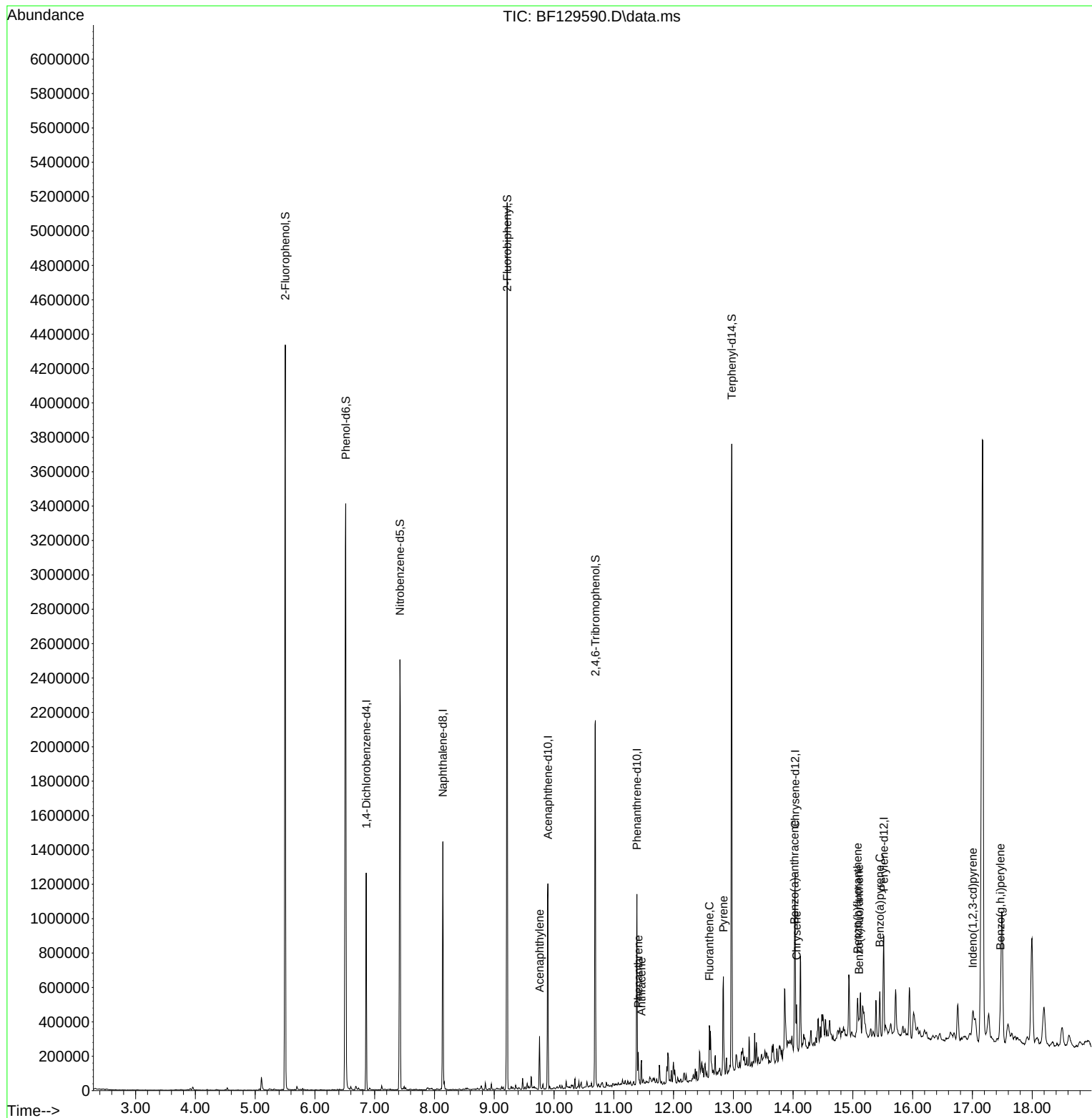
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080422\
Data File : BF129590.D
Acq On : 05 Aug 2022 02:32
Operator : CG\JU
Sample : N3931-12
Misc :
ALS Vial : 20 Sample Multiplier: 1

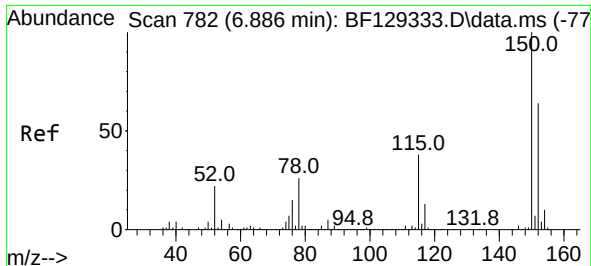
Instrument :
BNA_F
ClientSampleId :
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Quant Time: Aug 05 03:17:37 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF072522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Aug 05 02:05:37 2022
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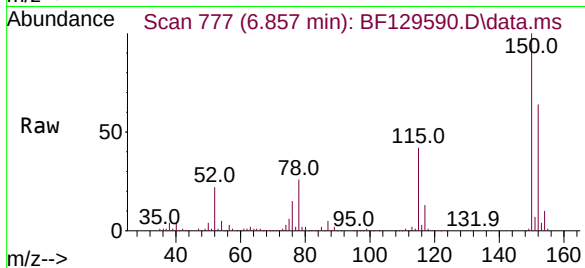
Reviewed By :Christian Giraldo 08/05/2022
Supervised By :Jagrut Upadhyay 08/05/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.857 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF129590.D
Acq: 05 Aug 2022 02:32

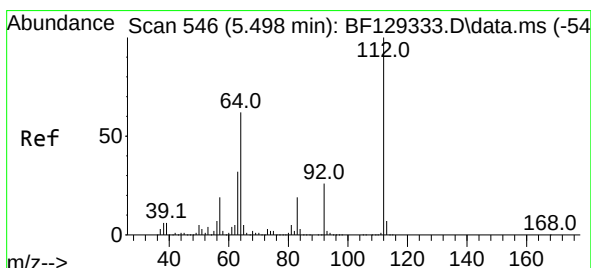
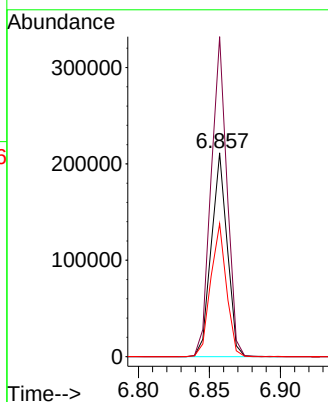
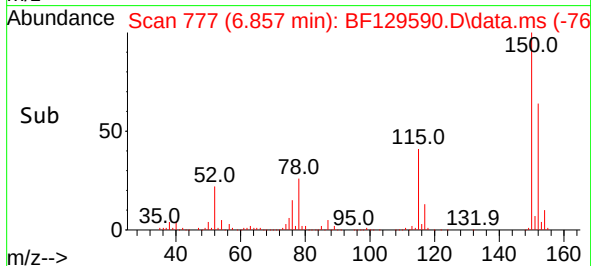
Instrument :
BNA_F
ClientSampleId :
RVE-123



Tgt Ion:152 Resp: 164012
Ion Ratio Lower Upper
152 100
150 157.1 123.7 185.5
115 65.2 49.9 74.9

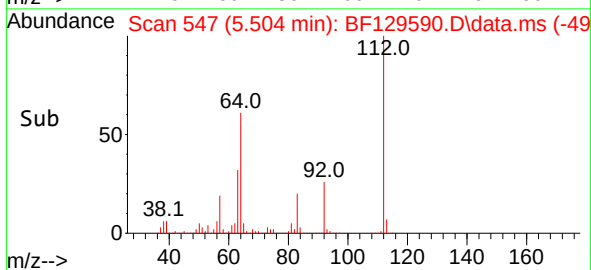
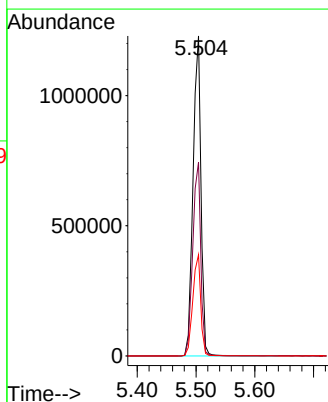
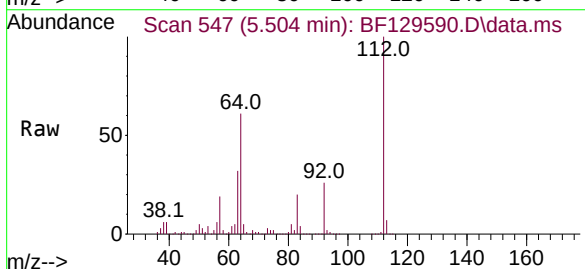
Manual Integrations
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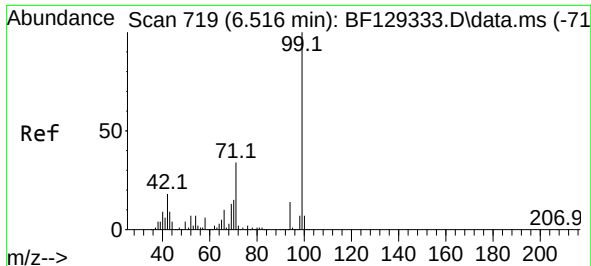
Reviewed By :Christian Giraldo 08/05/2022
Supervised By :Jagrut Upadhyay 08/05/2022



#5
2-Fluorophenol
Concen: 114.303 ng
RT: 5.504 min Scan# 547
Delta R.T. 0.012 min
Lab File: BF129590.D
Acq: 05 Aug 2022 02:32

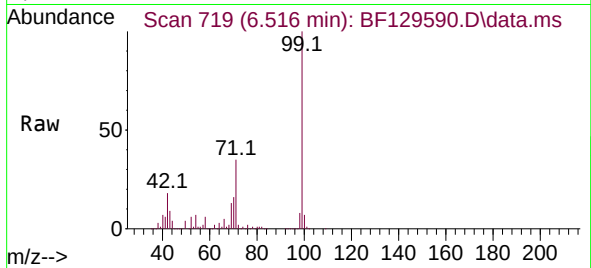
Tgt Ion:112 Resp: 1150835
Ion Ratio Lower Upper
112 100
64 60.5 53.3 79.9
63 31.6 28.0 42.0





#7
Phenol-d6
Concen: 110.505 ng
RT: 6.516 min Scan# 719
Delta R.T. -0.000 min
Lab File: BF129590.D
Acq: 05 Aug 2022 02:32

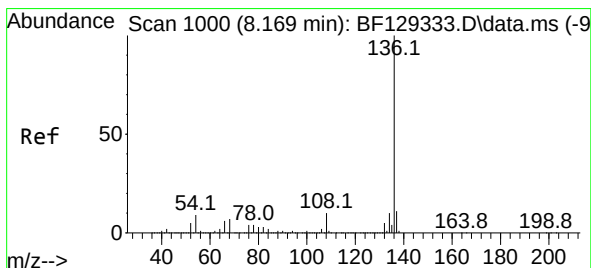
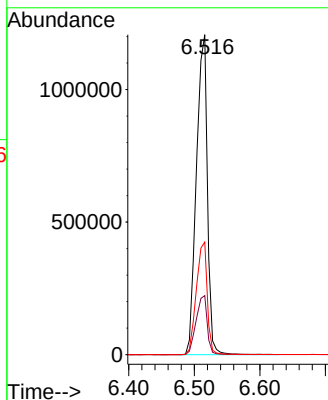
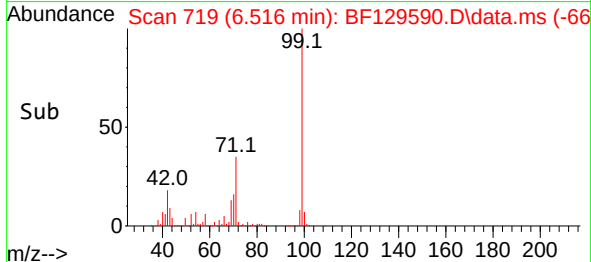
Instrument :
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ClientSampleId :
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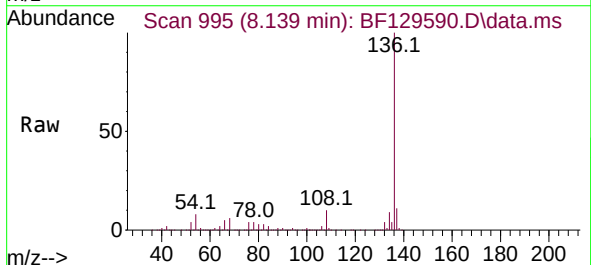
Tgt Ion: 99 Resp: 1398476
Ion Ratio Lower Upper
99 100
42 18.4 17.3 25.9
71 35.2 28.9 43.3

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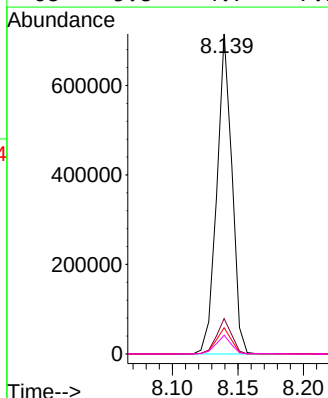
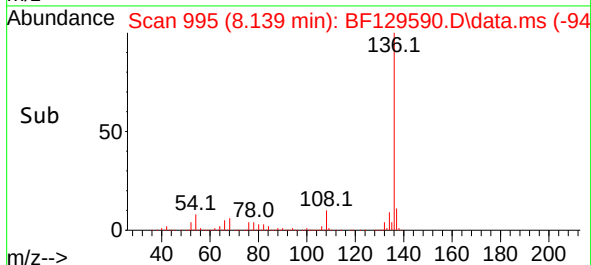
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Supervised By :Jagrut Upadhyay 08/05/2022

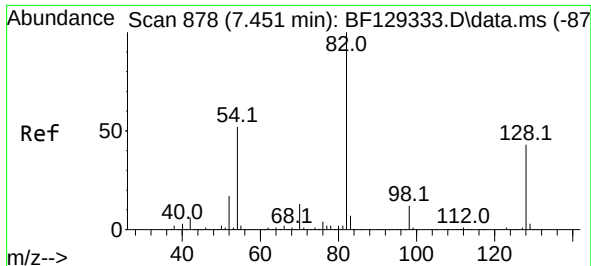


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.139 min Scan# 995
Delta R.T. -0.006 min
Lab File: BF129590.D
Acq: 05 Aug 2022 02:32



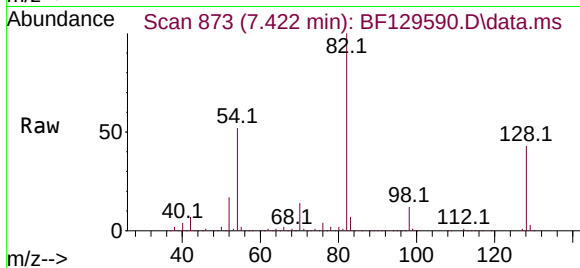
Tgt Ion:136 Resp: 575719
Ion Ratio Lower Upper
136 100
137 11.0 8.8 13.2
54 8.2 7.5 11.3
68 5.8 4.7 7.1





#23
Nitrobenzene-d5
Concen: 82.334 ng
RT: 7.422 min Scan# 81
Delta R.T. -0.012 min
Lab File: BF129590.D
Acq: 05 Aug 2022 02:32

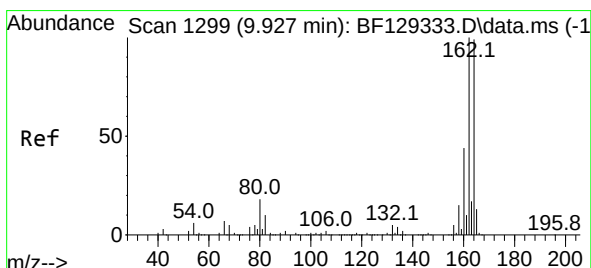
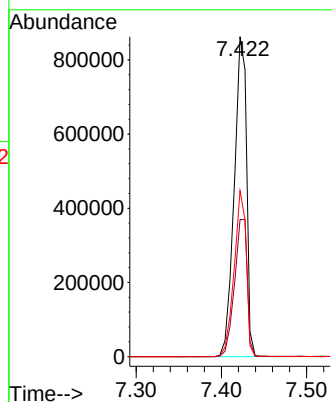
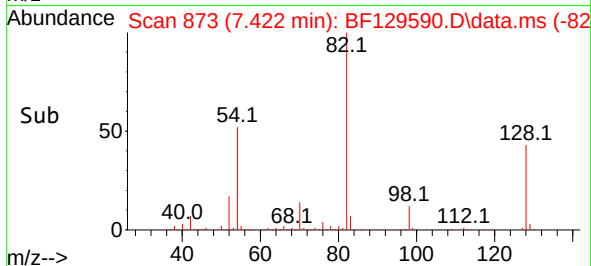
Instrument :
BNA_F
ClientSampleId :
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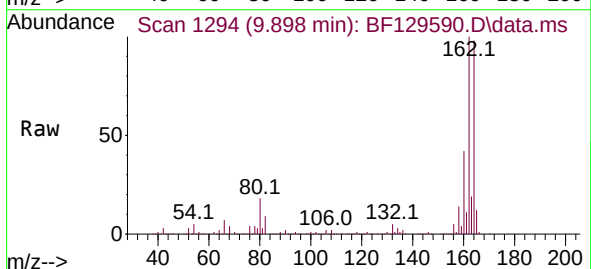
Tgt Ion: 82 Resp: 868333
Ion Ratio Lower Upper
82 100
128 42.8 34.0 51.0
54 51.8 46.9 70.3

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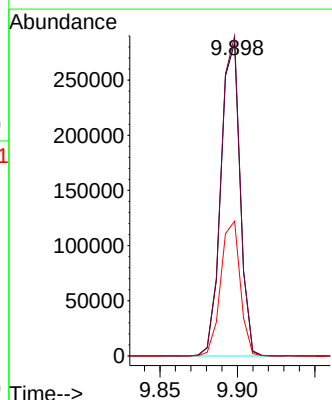
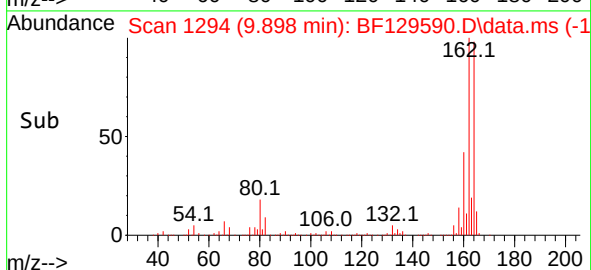
Reviewed By :Christian Giraldo 08/05/2022
Supervised By :Jagrut Upadhyay 08/05/2022

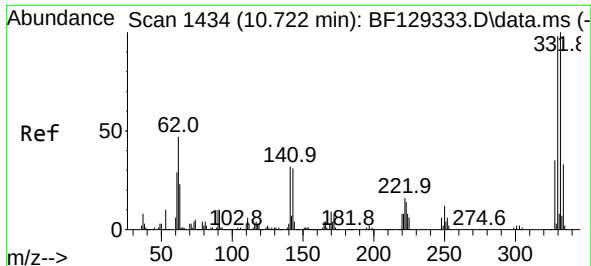


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.898 min Scan# 1294
Delta R.T. -0.006 min
Lab File: BF129590.D
Acq: 05 Aug 2022 02:32



Tgt Ion:164 Resp: 245597
Ion Ratio Lower Upper
164 100
162 102.2 79.5 119.3
160 43.1 34.2 51.4





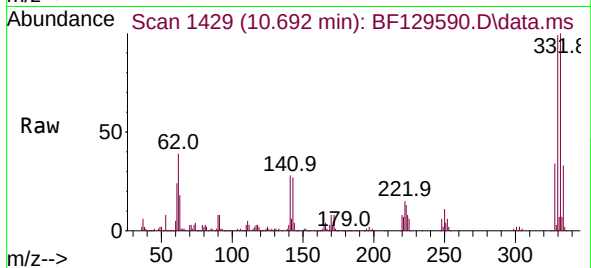
#42
2,4,6-Tribromophenol
Concen: 107.460 ng
RT: 10.692 min Scan# 1434
Delta R.T. -0.006 min
Lab File: BF129590.D
Acq: 05 Aug 2022 02:32

Instrument :

BNA_F

ClientSampleId :

RVE-123

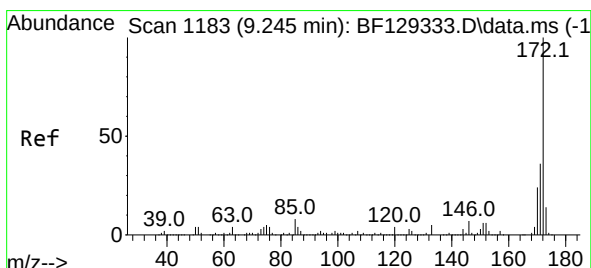
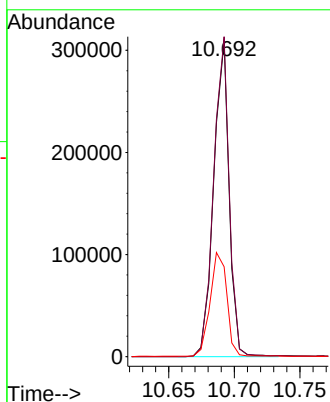
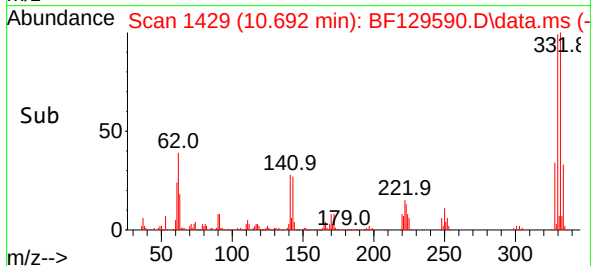


Tgt Ion: 330 Resp: 253739
Ion Ratio Lower Upper
330 100
332 102.8 76.8 115.2
141 35.7 28.0 42.0

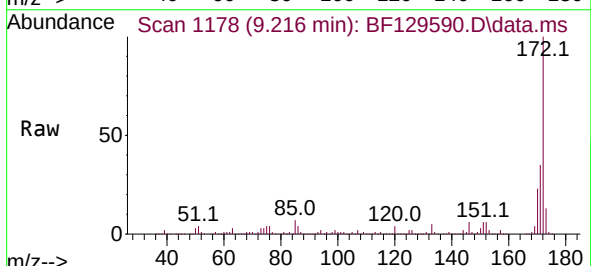
Manual Integrations

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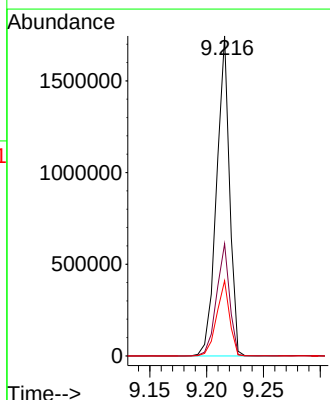
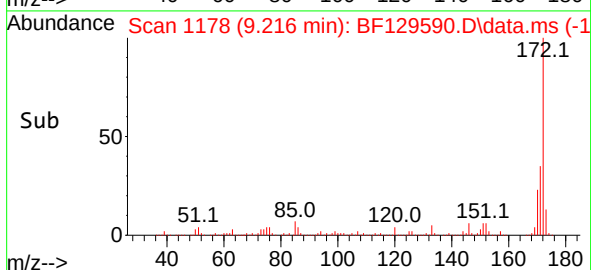
Reviewed By : Christian Giraldo 08/05/2022
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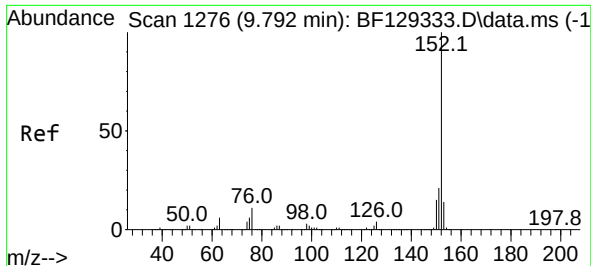


#45
2-Fluorobiphenyl
Concen: 87.046 ng
RT: 9.216 min Scan# 1178
Delta R.T. -0.006 min
Lab File: BF129590.D
Acq: 05 Aug 2022 02:32



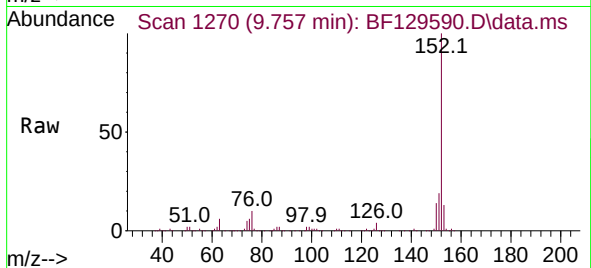
Tgt Ion: 172 Resp: 1381962
Ion Ratio Lower Upper
172 100
171 35.0 28.8 43.2
170 23.5 19.8 29.8





#49
Acenaphthylene
Concen: 5.089 ng
RT: 9.757 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF129590.D
Acq: 05 Aug 2022 02:32

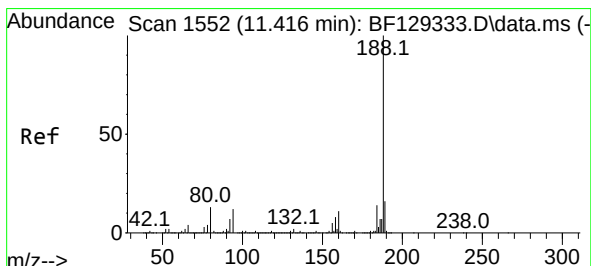
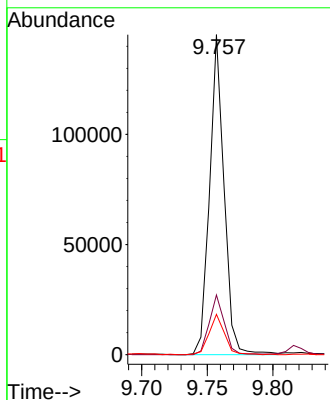
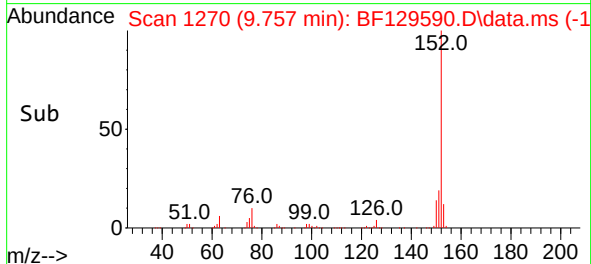
Instrument :
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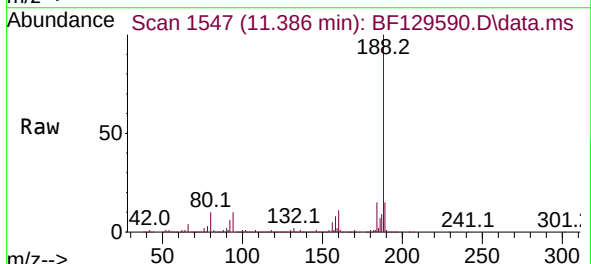
Tgt Ion:152 Resp: 112044
Ion Ratio Lower Upper
152 100
151 18.6 16.2 24.4
153 12.6 10.7 16.1

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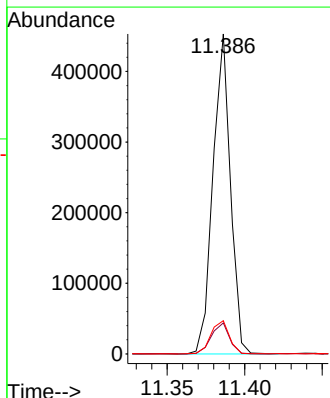
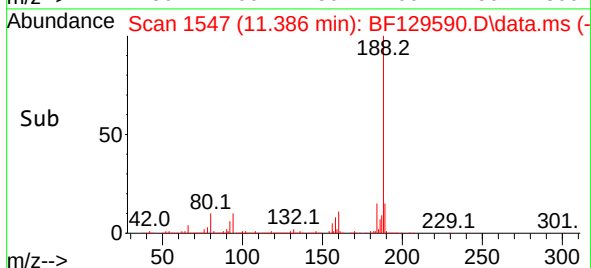
Reviewed By :Christian Giraldo 08/05/2022
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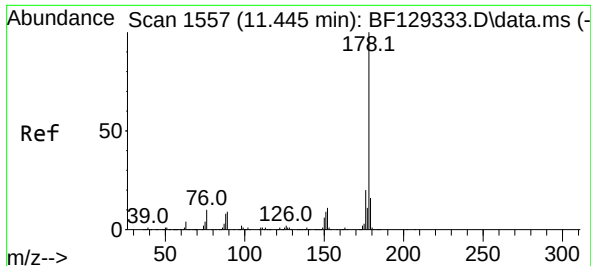


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.386 min Scan# 1547
Delta R.T. -0.006 min
Lab File: BF129590.D
Acq: 05 Aug 2022 02:32



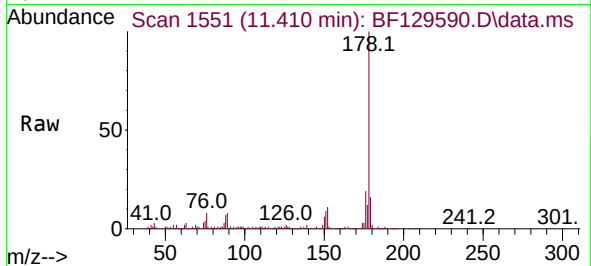
Tgt Ion:188 Resp: 355944
Ion Ratio Lower Upper
188 100
94 9.7 7.0 10.6
80 10.4 7.6 11.4





#71
Phenanthrene
Concen: 3.245 ng
RT: 11.410 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF129590.D
Acq: 05 Aug 2022 02:32

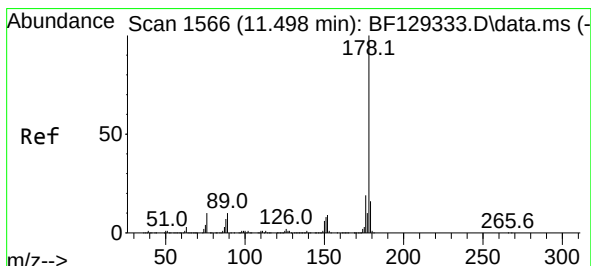
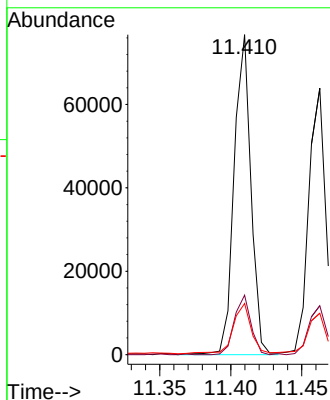
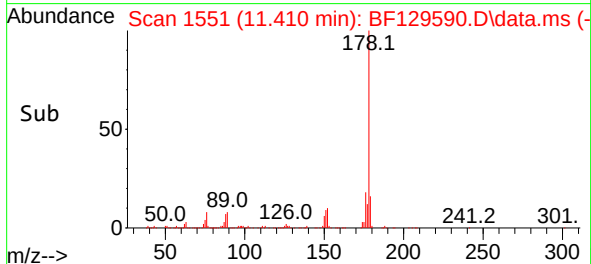
Instrument :
BNA_F
ClientSampleId :
RVE-123



Tgt Ion:178 Resp: 63044
Ion Ratio Lower Upper
178 100
176 18.6 16.0 24.0
179 16.0 12.6 19.0

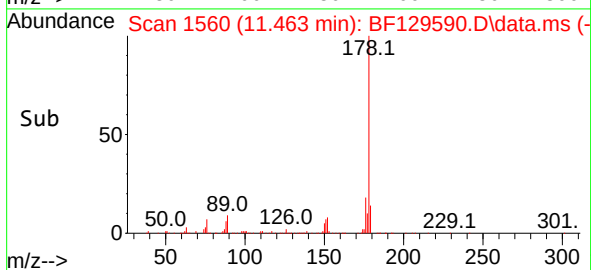
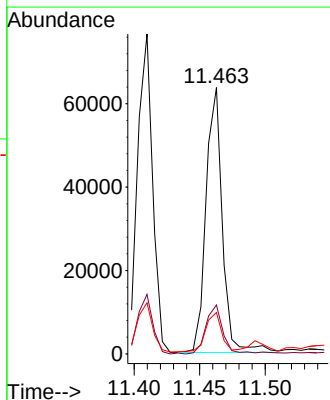
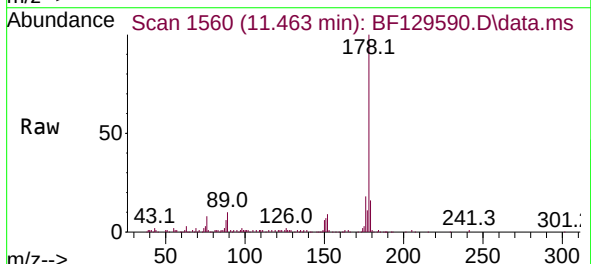
Manual Integrations
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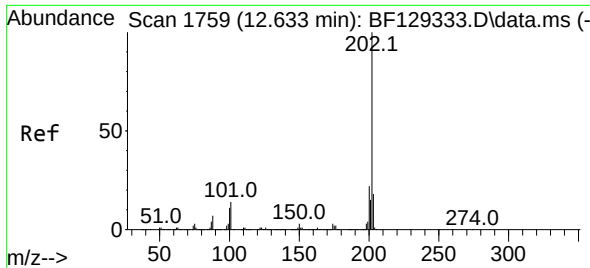
Reviewed By :Christian Giraldo 08/05/2022
Supervised By :Jagrut Upadhyay 08/05/2022



#72
Anthracene
Concen: 2.886 ng
RT: 11.463 min Scan# 1560
Delta R.T. -0.012 min
Lab File: BF129590.D
Acq: 05 Aug 2022 02:32

Tgt Ion:178 Resp: 55113
Ion Ratio Lower Upper
178 100
176 18.3 15.4 23.2
179 15.5 12.6 19.0





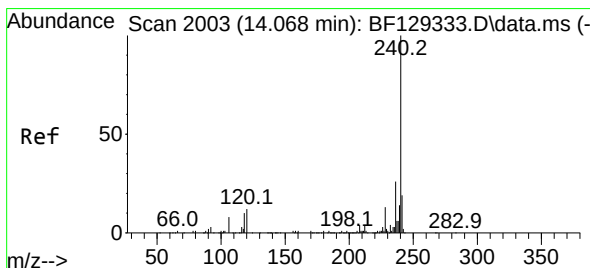
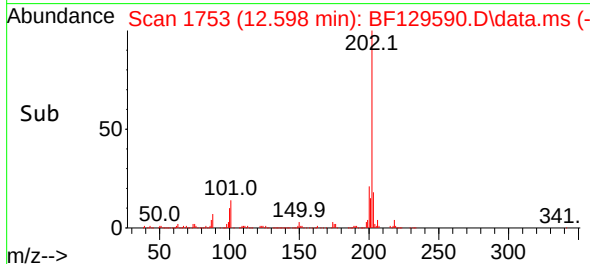
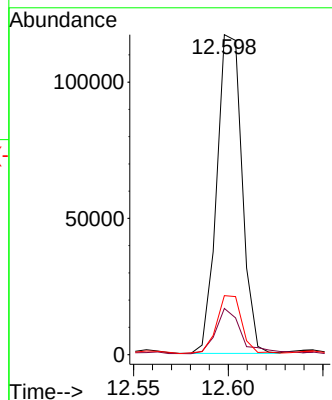
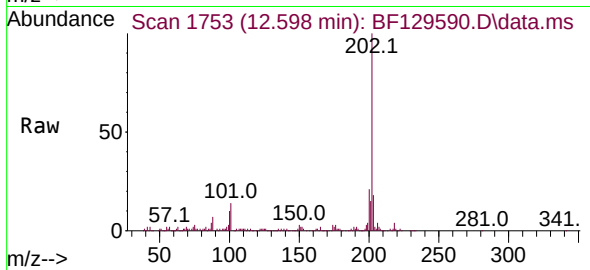
#75
Fluoranthene
Concen: 5.500 ng
RT: 12.598 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF129590.D
Acq: 05 Aug 2022 02:32

Instrument :
BNA_F
ClientSampleId :
RVE-123

Tgt Ion:202 Resp: 108285
Ion Ratio Lower Upper
202 100
101 14.4 0.0 31.4
203 18.4 0.0 38.0

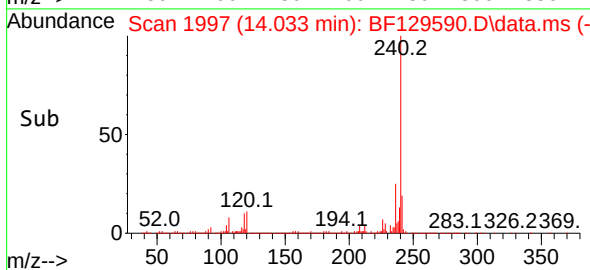
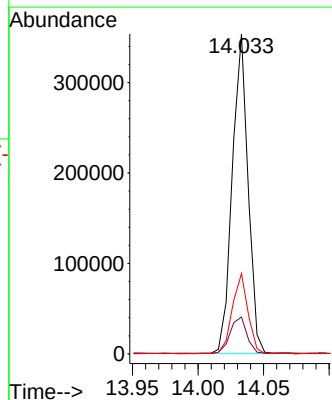
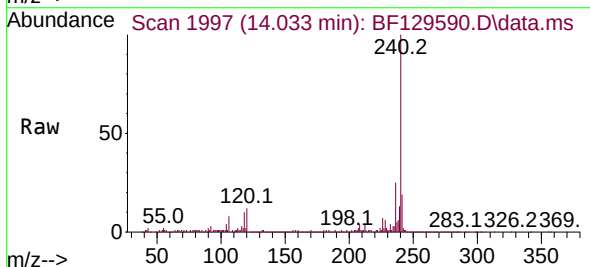
Manual Integrations
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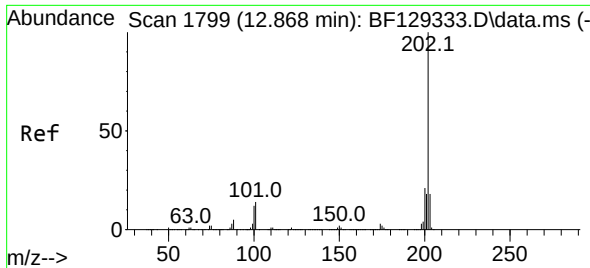
Reviewed By :Christian Giraldo 08/05/2022
Supervised By :Jagrut Upadhyay 08/05/2022



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.033 min Scan# 1997
Delta R.T. -0.006 min
Lab File: BF129590.D
Acq: 05 Aug 2022 02:32

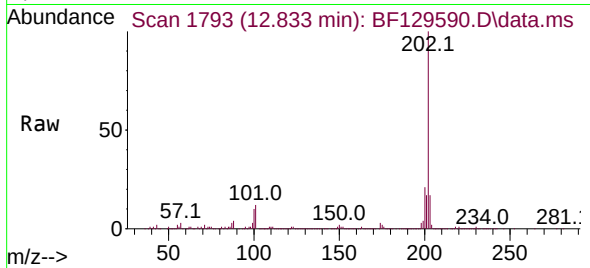
Tgt Ion:240 Resp: 296437
Ion Ratio Lower Upper
240 100
120 11.5 8.9 13.3
236 25.1 20.8 31.2





#78
Pyrene
Concen: 8.902 ng
RT: 12.833 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF129590.D
Acq: 05 Aug 2022 02:32

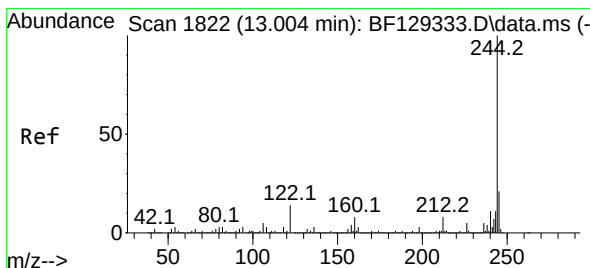
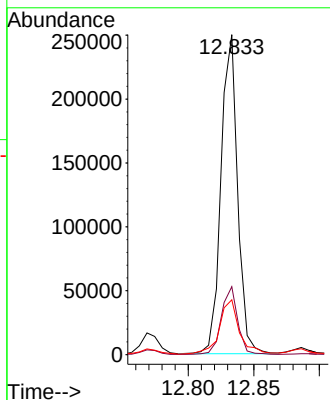
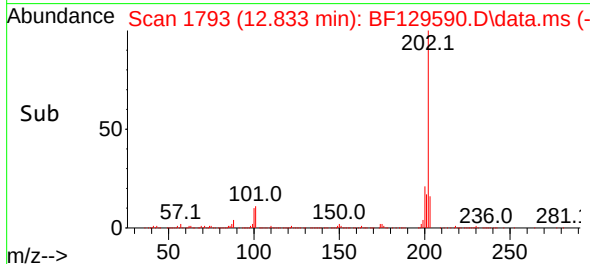
Instrument :
BNA_F
ClientSampleId :
RVE-123



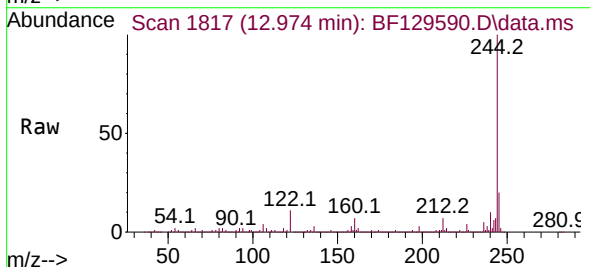
Tgt Ion:202 Resp: 220664
Ion Ratio Lower Upper
202 100
200 21.2 17.7 26.5
203 17.1 14.6 21.8

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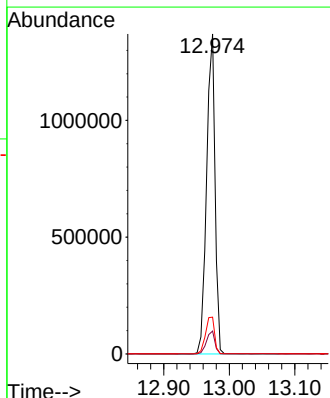
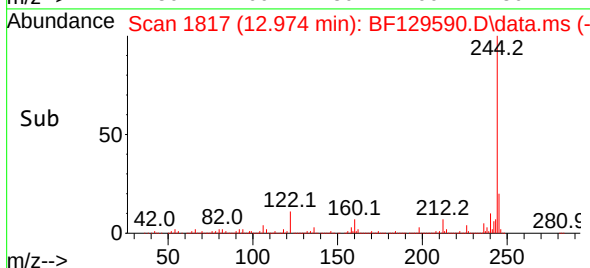
Reviewed By :Christian Giraldo 08/05/2022
Supervised By :Jagrut Upadhyay 08/05/2022

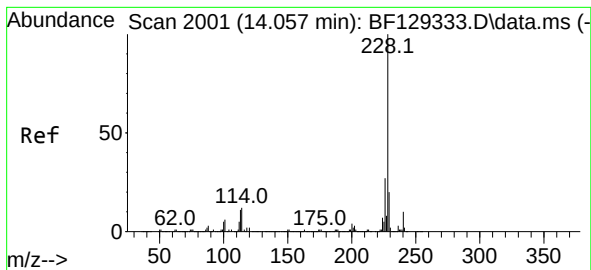


#79
Terphenyl-d14
Concen: 77.345 ng
RT: 12.974 min Scan# 1817
Delta R.T. -0.006 min
Lab File: BF129590.D
Acq: 05 Aug 2022 02:32



Tgt Ion:244 Resp: 1215321
Ion Ratio Lower Upper
244 100
212 7.1 6.1 9.1
122 11.5 8.8 13.2





#81

Benzo(a)anthracene

Concen: 4.613 ng m

RT: 14.021 min Scan# 19

Delta R.T. -0.006 min

Lab File: BF129590.D

Acq: 05 Aug 2022 02:32

Instrument :

BNA_F

ClientSampleId :

RVE-123

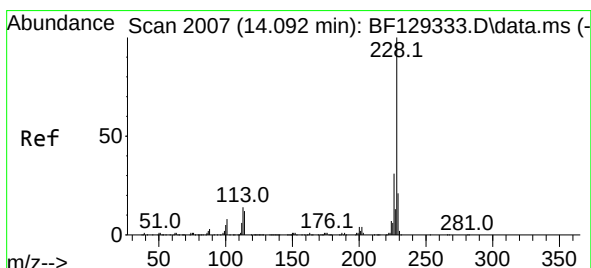
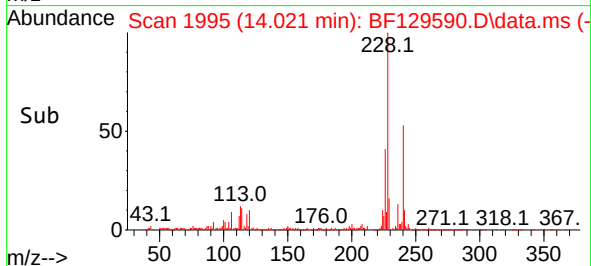
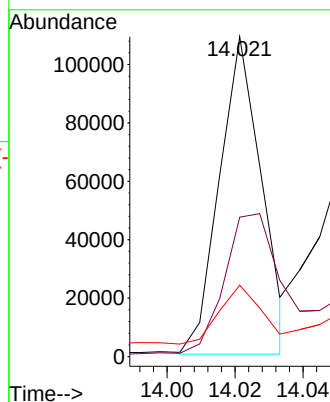
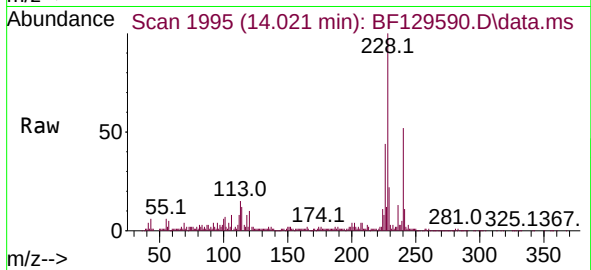
Tgt Ion:228 Resp: 93419
 Ion Ratio Lower Upper
 228 100
 226 43.6 22.1 33.1
 229 22.3 15.8 23.8

Manual Integrations

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Reviewed By :Christian Giraldo 08/05/2022

Supervised By :Jagrut Upadhyay 08/05/2022



#83

Chrysene

Concen: 6.191 ng m

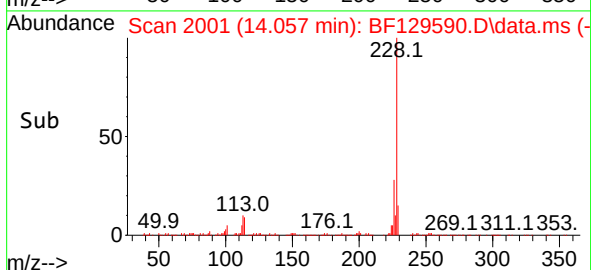
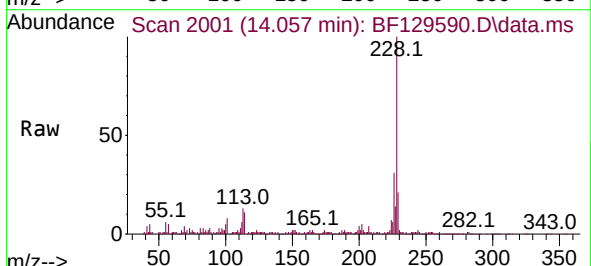
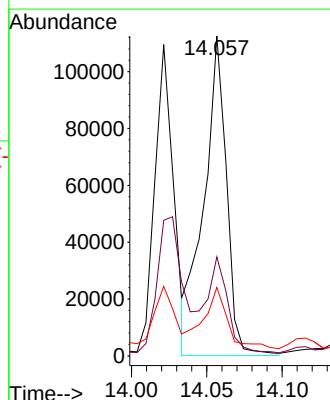
RT: 14.057 min Scan# 2001

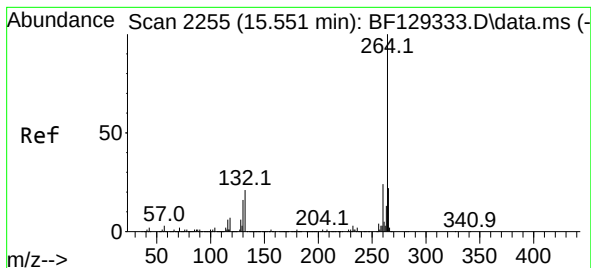
Delta R.T. -0.012 min

Lab File: BF129590.D

Acq: 05 Aug 2022 02:32

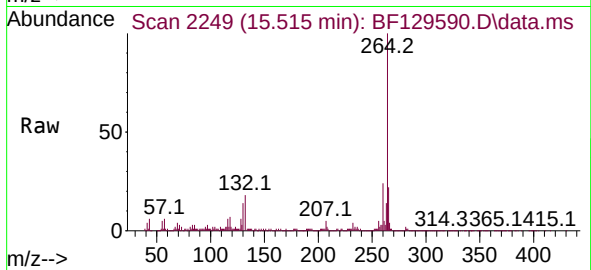
Tgt Ion:228 Resp: 118156
 Ion Ratio Lower Upper
 228 100
 226 30.9 24.3 36.5
 229 21.4 15.9 23.9





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.515 min Scan# 21
Delta R.T. -0.000 min
Lab File: BF129590.D
Acq: 05 Aug 2022 02:32

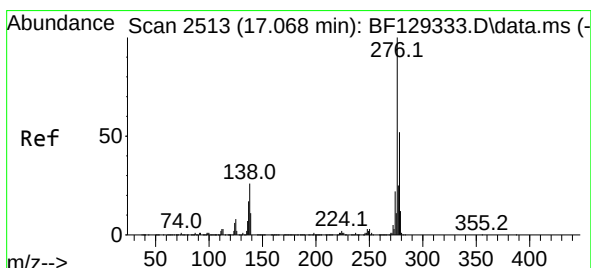
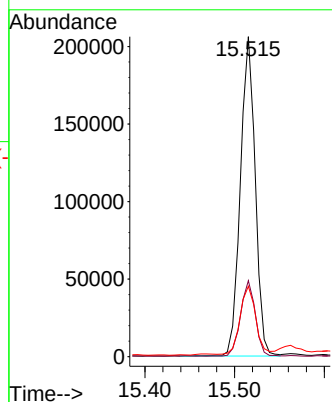
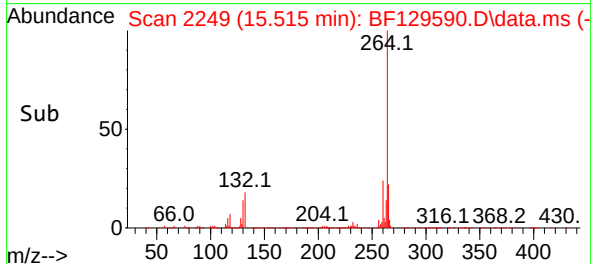
Instrument :
BNA_F
ClientSampleId :
RVE-123



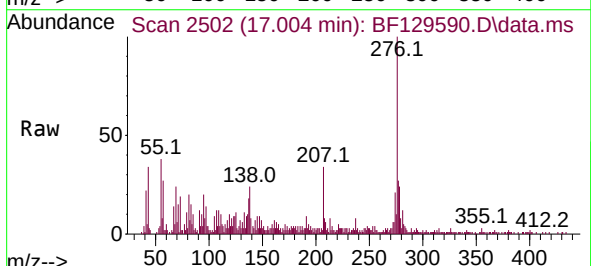
Tgt Ion:264 Resp: 23814
Ion Ratio Lower Upper
264 100
260 23.7 18.4 27.6
265 22.0 17.2 25.8

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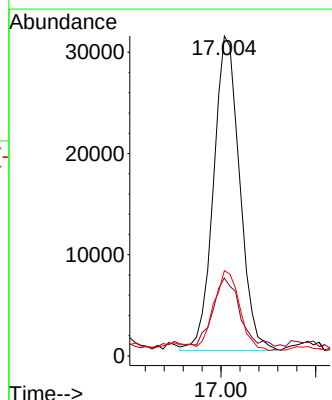
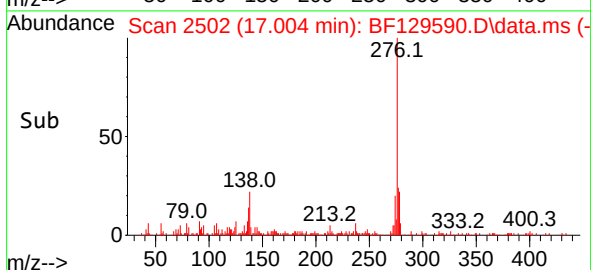
Reviewed By :Christian Giraldo 08/05/2022
Supervised By :Jagrut Upadhyay 08/05/2022

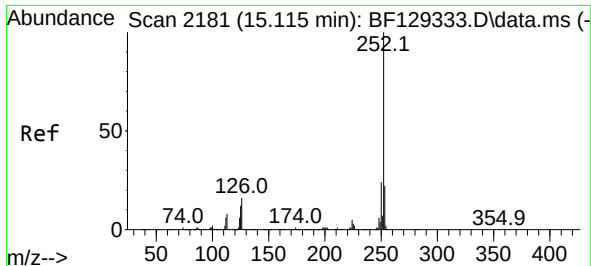


#87
Indeno(1,2,3-cd)pyrene
Concen: 3.712 ng
RT: 17.004 min Scan# 2502
Delta R.T. -0.018 min
Lab File: BF129590.D
Acq: 05 Aug 2022 02:32



Tgt Ion:276 Resp: 59536
Ion Ratio Lower Upper
276 100
138 22.3 21.1 31.7
277 24.7 20.3 30.5





#88

Benzo(b)fluoranthene

Concen: 7.253 ng m

RT: 15.080 min Scan# 2175

Delta R.T. -0.006 min

Lab File: BF129590.D

Acq: 05 Aug 2022 02:32

Instrument :

BNA_F

ClientSampleId :

RVE-123

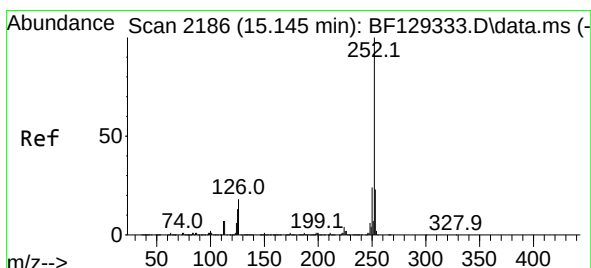
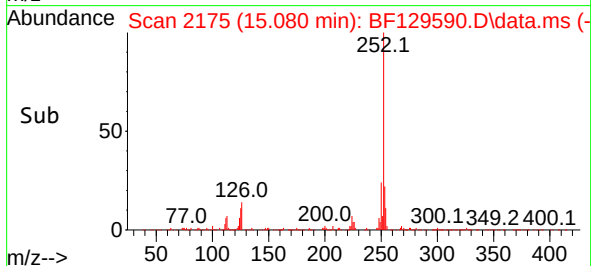
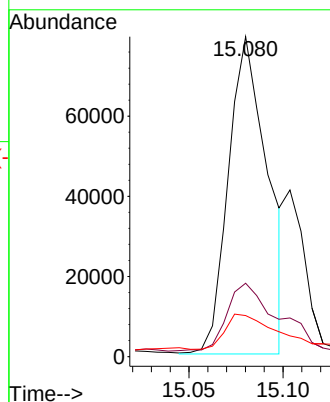
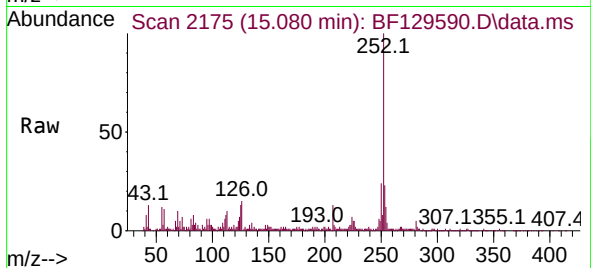
Tgt Ion:252 Resp: 114570
 Ion Ratio Lower Upper
 252 100
 253 22.9 17.7 26.5
 125 12.8 8.0 12.0

Manual Integrations

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Reviewed By :Christian Giraldo 08/05/2022

Supervised By :Jagrut Upadhyay 08/05/2022



#89

Benzo(k)fluoranthene

Concen: 2.073 ng m

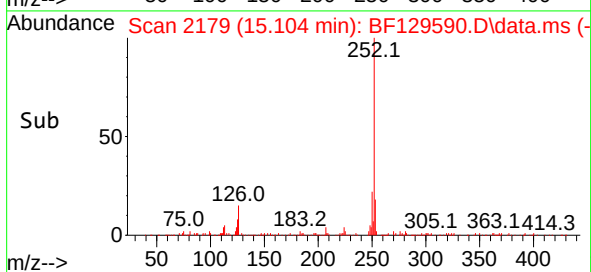
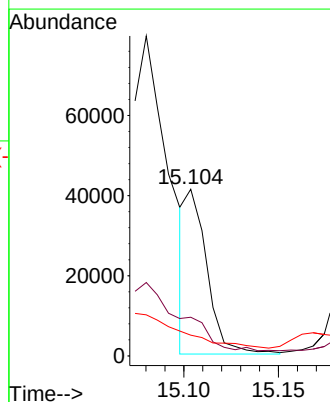
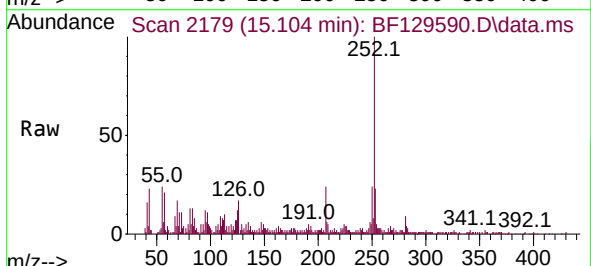
RT: 15.104 min Scan# 2179

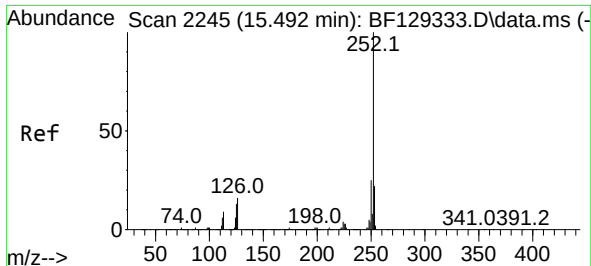
Delta R.T. -0.012 min

Lab File: BF129590.D

Acq: 05 Aug 2022 02:32

Tgt Ion:252 Resp: 32094
 Ion Ratio Lower Upper
 252 100
 253 23.2 17.8 26.6
 125 12.4 8.3 12.5





#90
Benzo(a)pyrene
Concen: 8.044 ng
RT: 15.451 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF129590.D
Acq: 05 Aug 2022 02:32

Instrument :

BNA_F

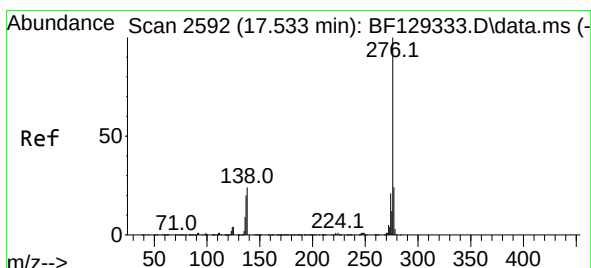
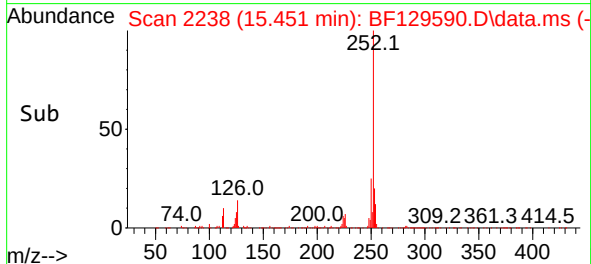
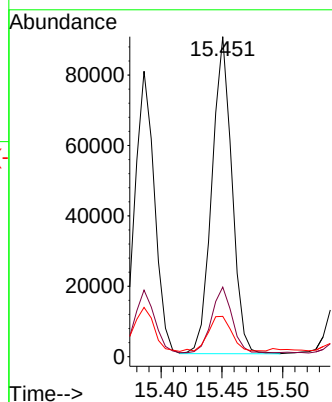
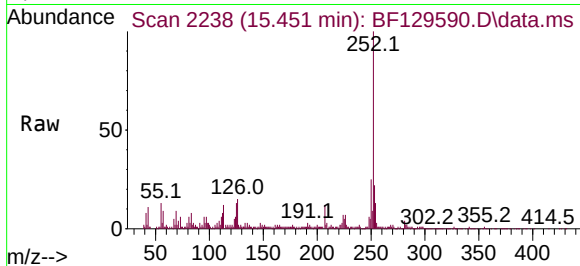
ClientSampleId :

RVE-123

Tgt Ion:252 Resp: 103159
Ion Ratio Lower Upper
252 100
253 21.7 17.0 25.6
125 12.6 8.8 13.2

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



#92
Benzo(g,h,i)perylene
Concen: 5.878 ng
RT: 17.468 min Scan# 2581
Delta R.T. -0.012 min
Lab File: BF129590.D
Acq: 05 Aug 2022 02:32

Tgt Ion:276 Resp: 78397
Ion Ratio Lower Upper
276 100
277 26.2 19.1 28.7
138 23.4 18.0 27.0

