

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080322\
 Data File : BF129552.D
 Acq On : 03 Aug 2022 21:38
 Operator : CG\JU
 Sample : N3930-16
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RVE-108

Manual Integrations
 APPROVED

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

Quant Time: Aug 04 02:20:53 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF072522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 02 01:11:25 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.869	152	130334	20.000	ng	0.00
21) Naphthalene-d8	8.151	136	463257	20.000	ng	-0.01
39) Acenaphthene-d10	9.904	164	194707	20.000	ng	-0.01
64) Phenanthrene-d10	11.398	188	270739	20.000	ng	0.00
76) Chrysene-d12	14.039	240	288797	20.000	ng	-0.01
86) Perylene-d12	15.527	264	291854	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	827926	103.480	ng	0.00
7) Phenol-d6	6.510	99	1004099	99.845	ng	-0.01
23) Nitrobenzene-d5	7.433	82	637801	75.156	ng	-0.01
42) 2,4,6-Tribromophenol	10.698	330	174728	93.339	ng	-0.01
45) 2-Fluorobiphenyl	9.227	172	1035068	82.236	ng	0.00
79) Terphenyl-d14	12.980	244	921691	60.210	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.421	178	203100	13.743	ng	98
72) Anthracene	11.474	178	56498	3.890	ng	96
73) Carbazole	11.627	167	32647	2.388	ng	98
75) Fluoranthene	12.610	202	309072	20.640	ng	97
78) Pyrene	12.845	202	262662	10.876	ng	97
81) Benzo(a)anthracene	14.033	228	158487	8.034	ng	99
83) Chrysene	14.068	228	165447	8.899	ng	99
87) Indeno(1,2,3-cd)pyrene	17.021	276	85139	4.332	ng	96
88) Benzo(b)fluoranthene	15.092	252	280714m	14.500	ng	
89) Benzo(k)fluoranthene	15.115	252	72766m	3.835	ng	
90) Benzo(a)pyrene	15.462	252	145815	9.278	ng	99
92) Benzo(g,h,i)perylene	17.480	276	73546	4.499	ng	99

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

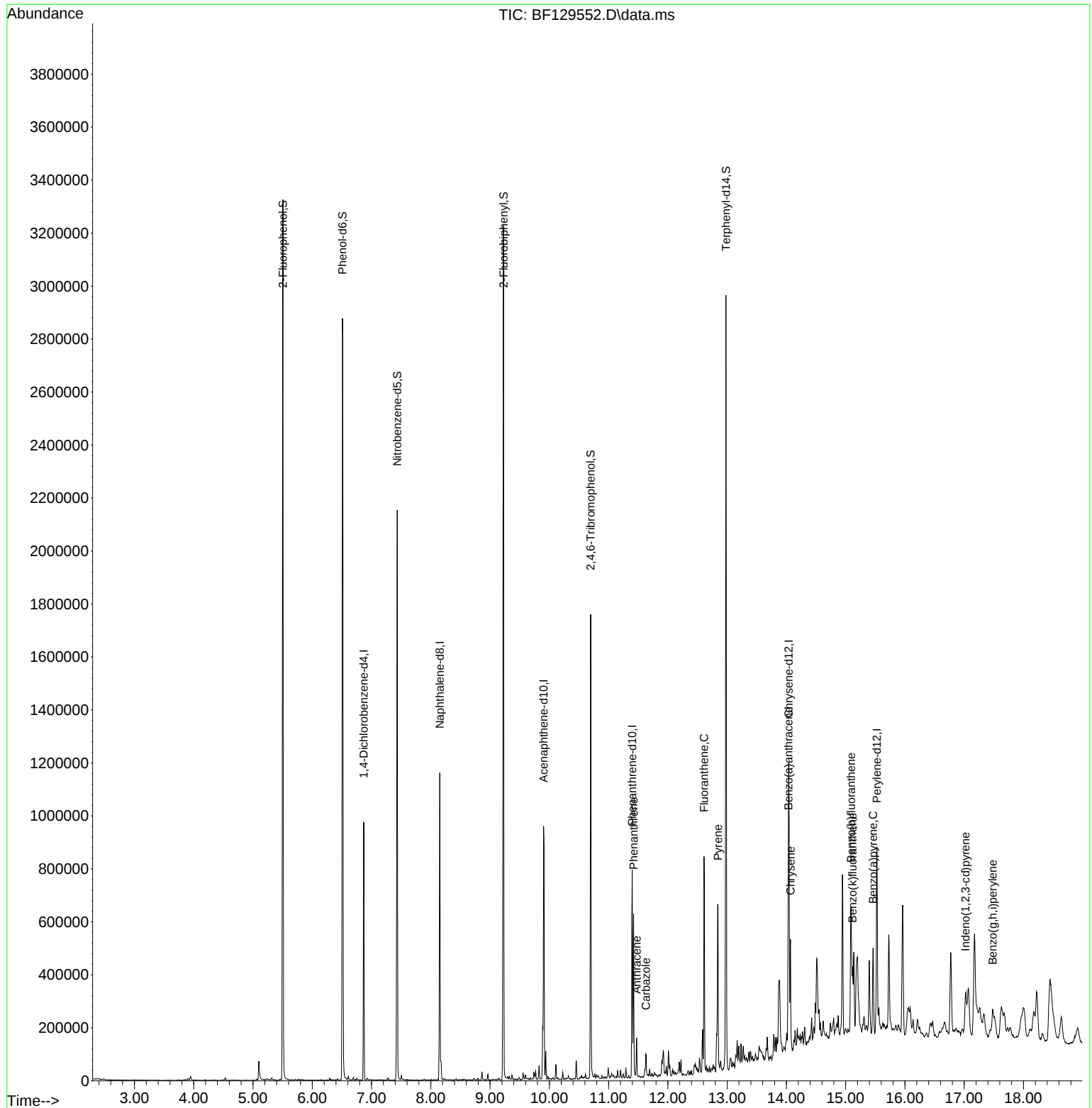
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080322\
Data File : BF129552.D
Acq On : 03 Aug 2022 21:38
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ALS Vial : 12 Sample Multiplier: 1

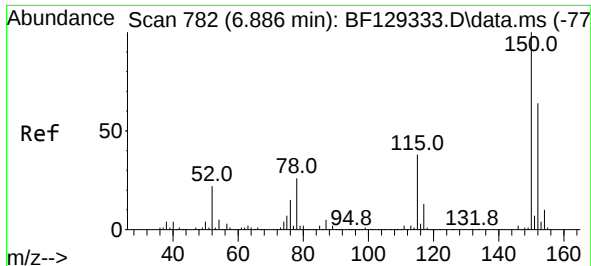
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF072522.M
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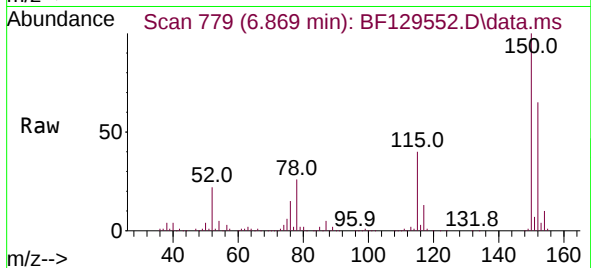
Reviewed By : Christian Giraldo 08/04/2022
Supervised By : Jagrut Upadhyay 08/05/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.869 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF129552.D
Acq: 03 Aug 2022 21:38

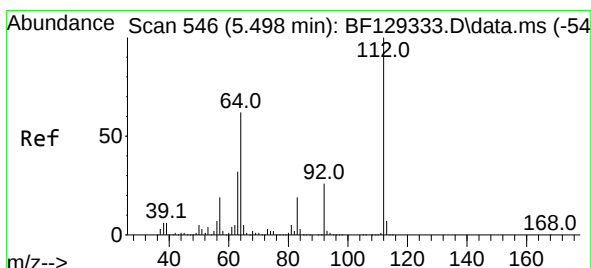
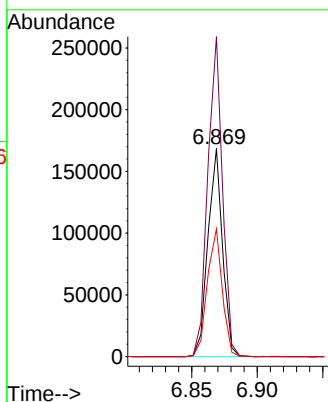
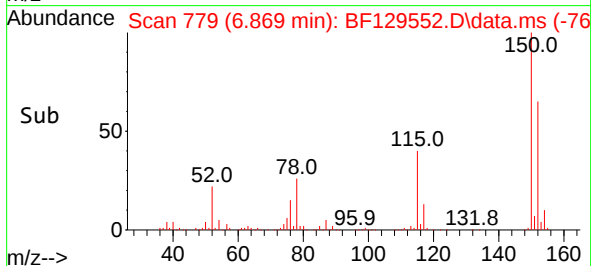
Instrument :
BNA_F
ClientSampleId :
RVE-108



Tgt Ion:152 Resp: 130334
Ion Ratio Lower Upper
152 100
150 153.8 123.7 185.5
115 61.3 49.9 74.9

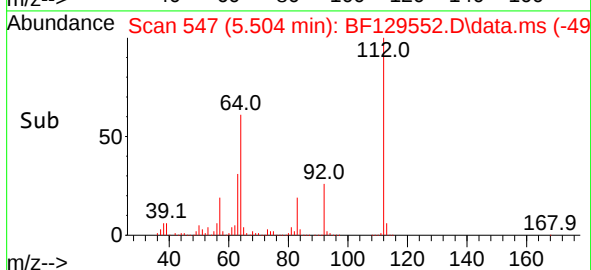
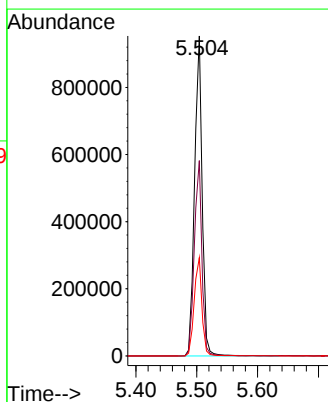
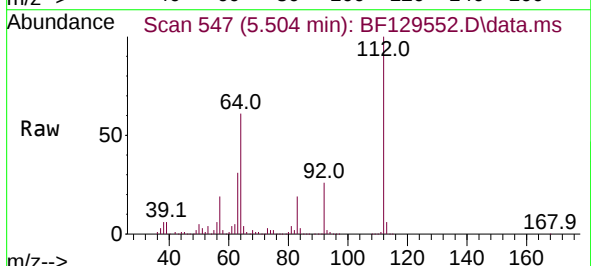
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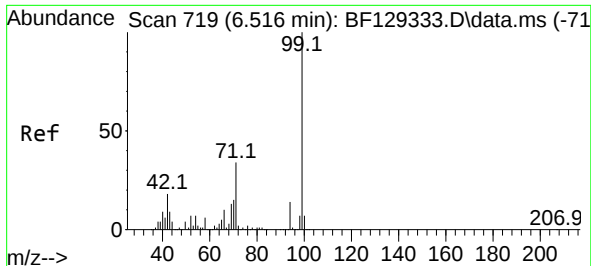
Reviewed By :Christian Giraldo 08/04/2022
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#5
2-Fluorophenol
Concen: 103.480 ng
RT: 5.504 min Scan# 547
Delta R.T. -0.000 min
Lab File: BF129552.D
Acq: 03 Aug 2022 21:38

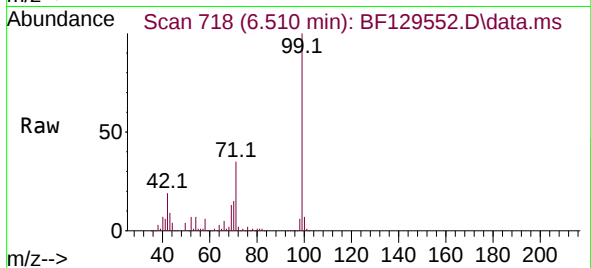
Tgt Ion:112 Resp: 827926
Ion Ratio Lower Upper
112 100
64 61.0 53.3 79.9
63 30.7 28.0 42.0





#7
Phenol-d6
Concen: 99.845 ng
RT: 6.510 min Scan# 719
Delta R.T. -0.012 min
Lab File: BF129552.D
Acq: 03 Aug 2022 21:38

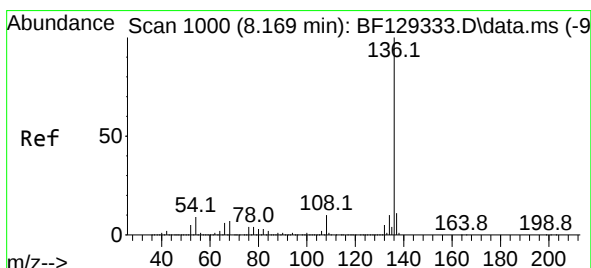
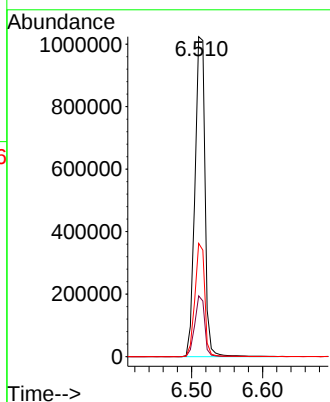
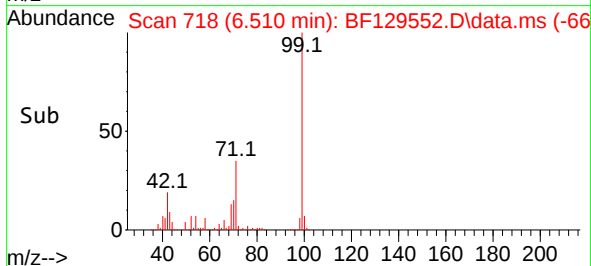
Instrument :
BNA_F
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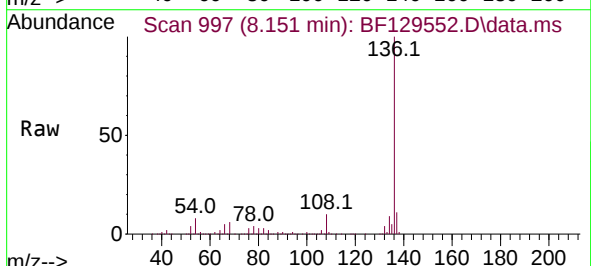
Tgt Ion: 99 Resp: 1004099
Ion Ratio Lower Upper
99 100
42 19.0 17.3 25.9
71 35.4 28.9 43.3

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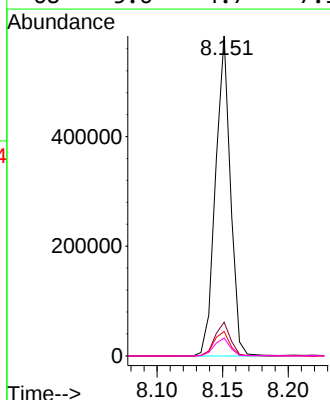
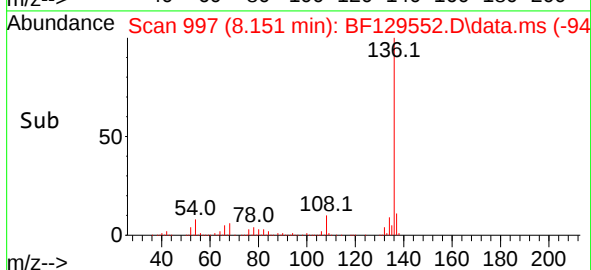
Reviewed By :Christian Giraldo 08/04/2022
Supervised By :Jagrut Upadhyay 08/05/2022

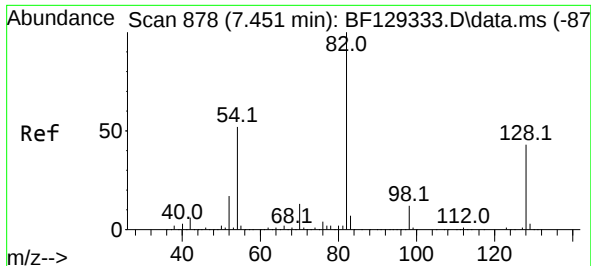


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.151 min Scan# 997
Delta R.T. -0.012 min
Lab File: BF129552.D
Acq: 03 Aug 2022 21:38



Tgt Ion:136 Resp: 463257
Ion Ratio Lower Upper
136 100
137 10.5 8.8 13.2
54 7.6 7.5 11.3
68 5.6 4.7 7.1





#23

Nitrobenzene-d5

Concen: 75.156 ng

RT: 7.433 min Scan# 81

Delta R.T. -0.012 min

Lab File: BF129552.D

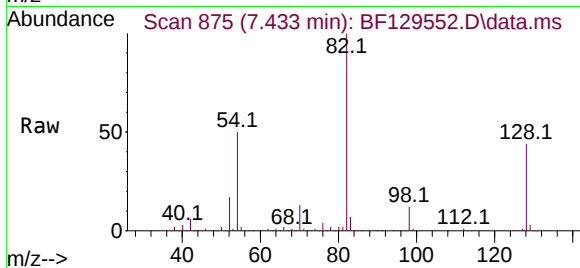
Acq: 03 Aug 2022 21:38

Instrument :

BNA_F

ClientSampleId :

RVE-108



Tgt Ion: 82 Resp: 63780

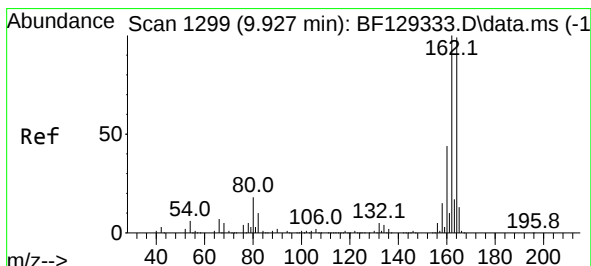
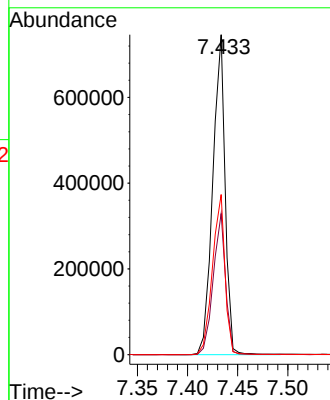
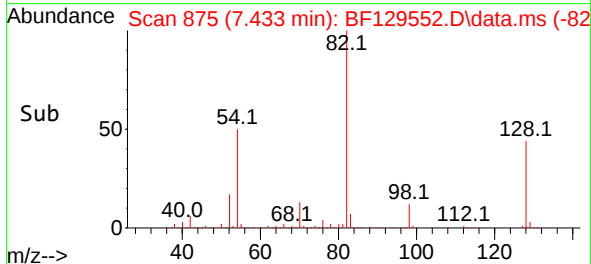
Ion	Ratio	Lower	Upper
82	100		
128	44.1	34.0	51.0
54	50.0	46.9	70.3

Manual Integrations

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.904 min Scan# 1295

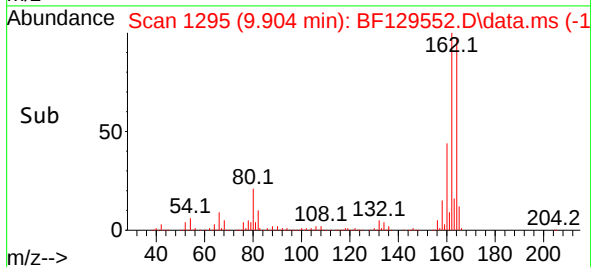
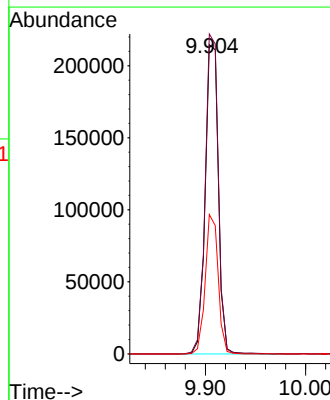
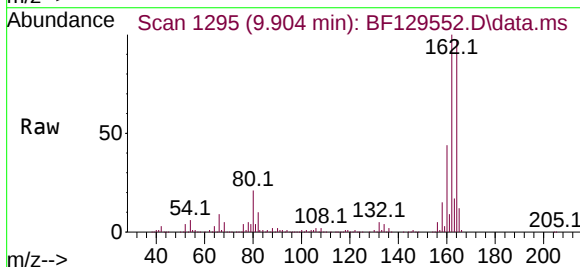
Delta R.T. -0.012 min

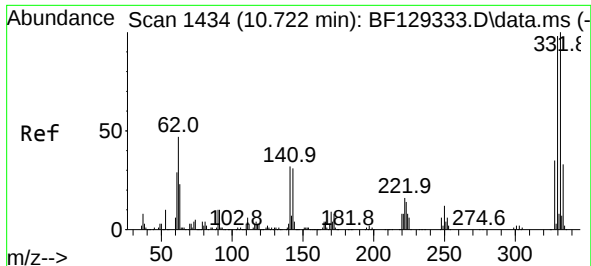
Lab File: BF129552.D

Acq: 03 Aug 2022 21:38

Tgt Ion:164 Resp: 194707

Ion	Ratio	Lower	Upper
164	100		
162	103.5	79.5	119.3
160	45.0	34.2	51.4





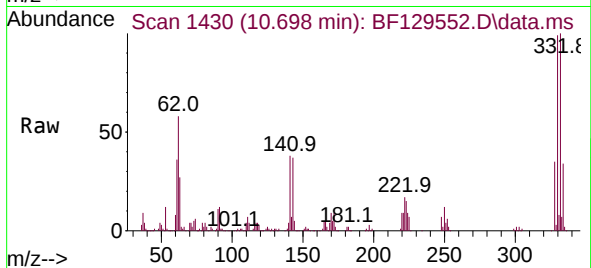
#42
2,4,6-Tribromophenol
Concen: 93.339 ng
RT: 10.698 min Scan# 1434
Delta R.T. -0.012 min
Lab File: BF129552.D
Acq: 03 Aug 2022 21:38

Instrument :

BNA_F

ClientSampleId :

RVE-108

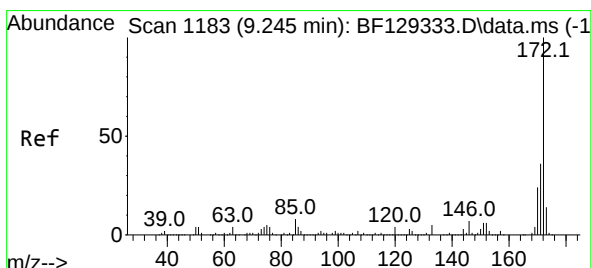
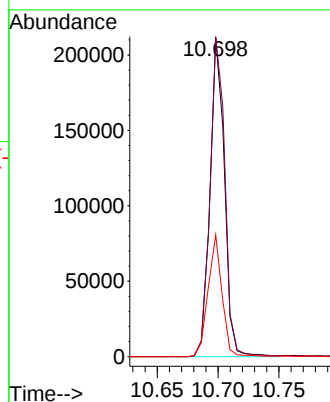
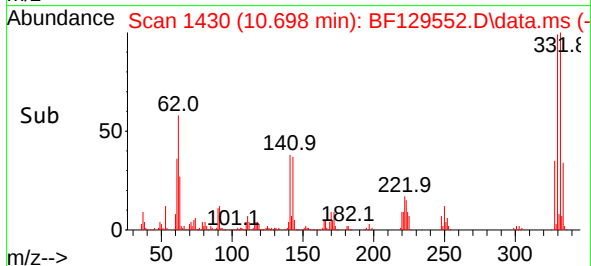


Tgt Ion:330 Resp: 174728
Ion Ratio Lower Upper
330 100
332 104.0 76.8 115.2
141 37.1 28.0 42.0

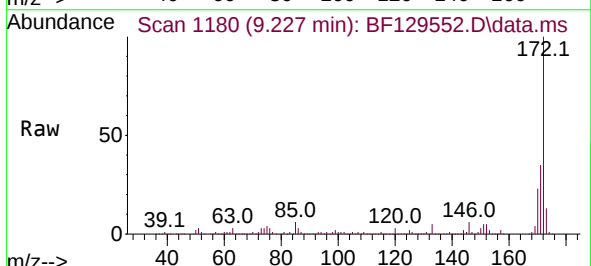
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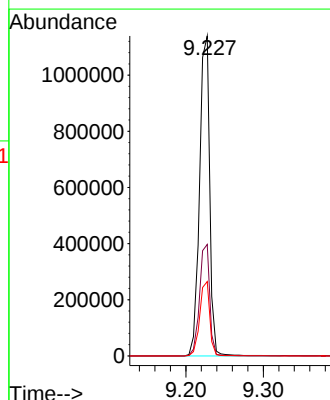
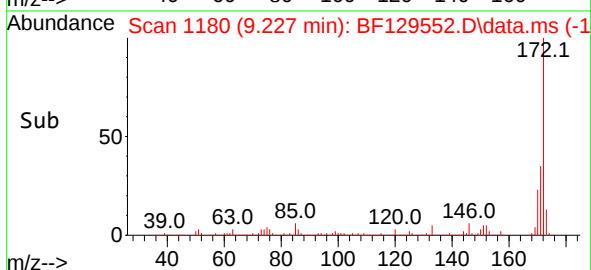
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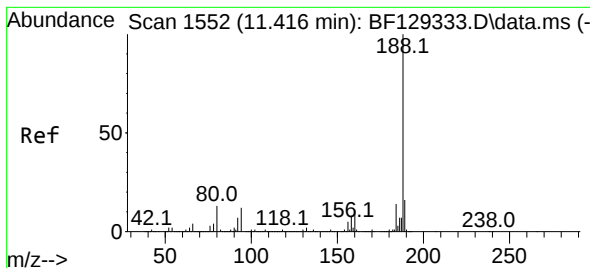


#45
2-Fluorobiphenyl
Concen: 82.236 ng
RT: 9.227 min Scan# 1180
Delta R.T. -0.006 min
Lab File: BF129552.D
Acq: 03 Aug 2022 21:38



Tgt Ion:172 Resp: 1035068
Ion Ratio Lower Upper
172 100
171 34.8 28.8 43.2
170 23.2 19.8 29.8





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.398 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF129552.D

Acq: 03 Aug 2022 21:38

Instrument :

BNA_F

ClientSampleId :

RVE-108

Tgt Ion:188 Resp: 270739

Ion Ratio Lower Upper

188 100

94 9.6 7.0 10.6

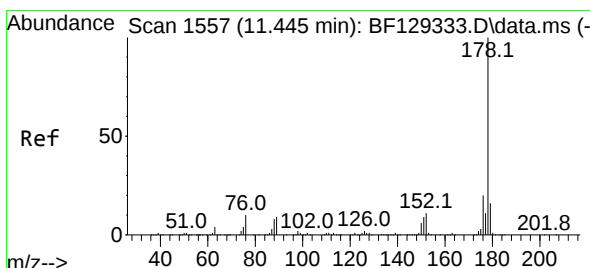
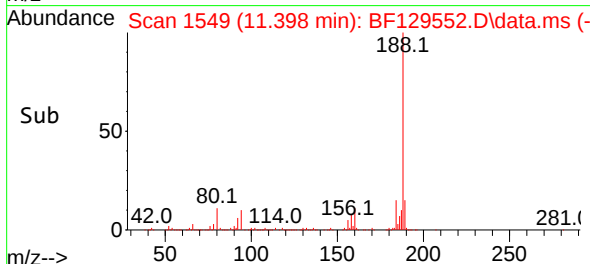
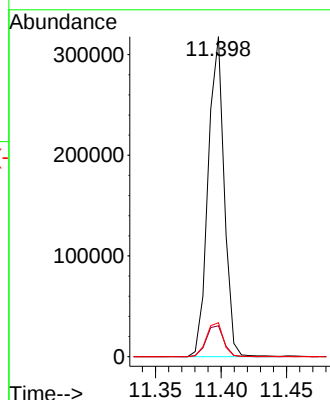
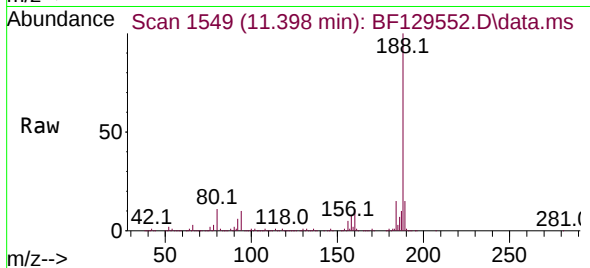
80 10.6 7.6 11.4

Manual Integrations

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Reviewed By :Christian Giraldo 08/04/2022

Supervised By :Jagrut Upadhyay 08/05/2022



#71

Phenanthrene

Concen: 13.743 ng

RT: 11.421 min Scan# 1553

Delta R.T. -0.012 min

Lab File: BF129552.D

Acq: 03 Aug 2022 21:38

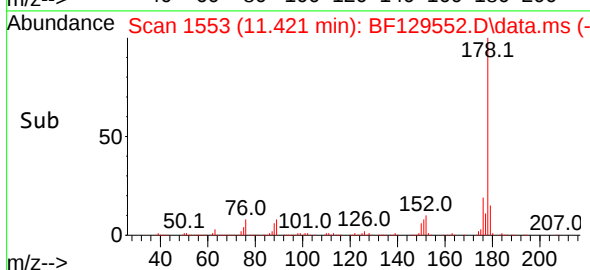
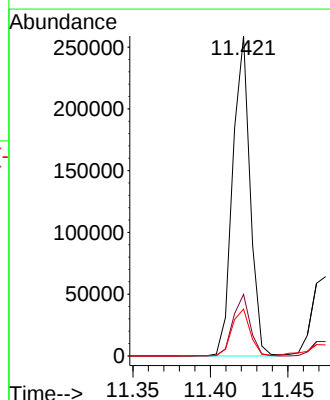
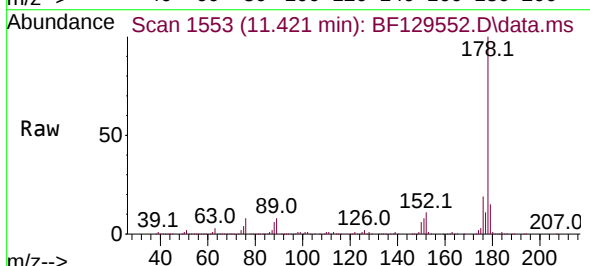
Tgt Ion:178 Resp: 203100

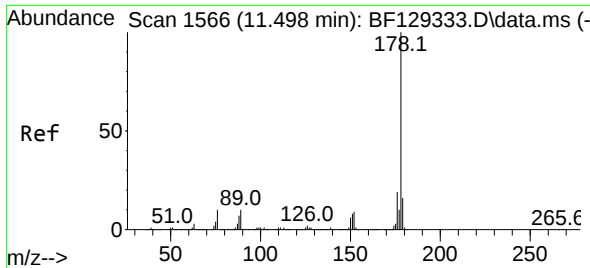
Ion Ratio Lower Upper

178 100

176 19.2 16.0 24.0

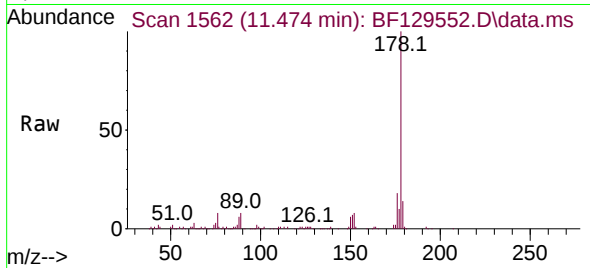
179 14.7 12.6 19.0





#72
 Anthracene
 Concen: 3.890 ng
 RT: 11.474 min Scan# 1562
 Delta R.T. -0.006 min
 Lab File: BF129552.D
 Acq: 03 Aug 2022 21:38

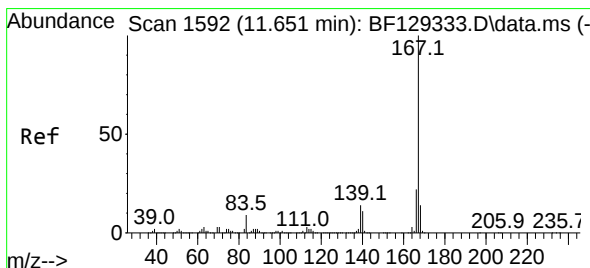
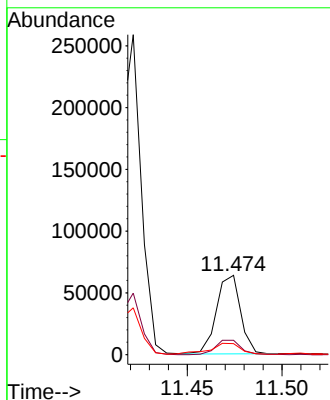
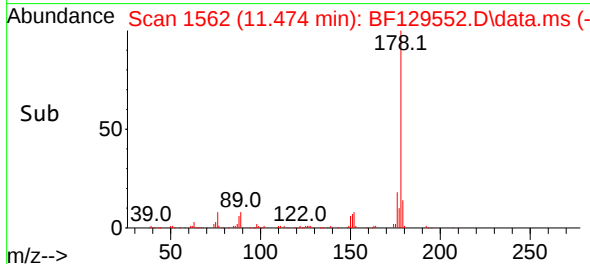
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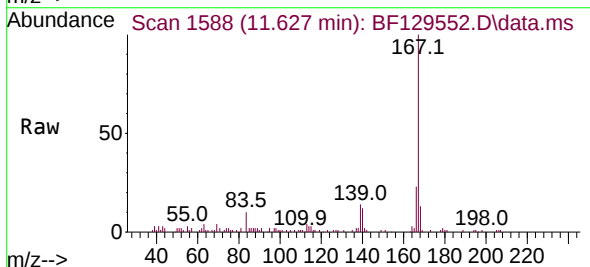
Tgt Ion:178 Resp: 56498
 Ion Ratio Lower Upper
 178 100
 176 18.1 15.4 23.2
 179 13.9 12.6 19.0

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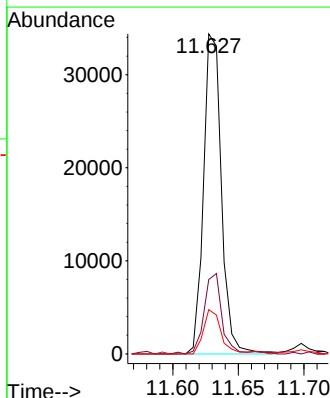
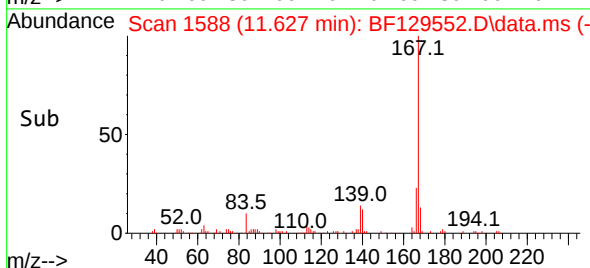
Reviewed By :Christian Giraldo 08/04/2022
 Supervised By :Jagrut Upadhyay 08/05/2022

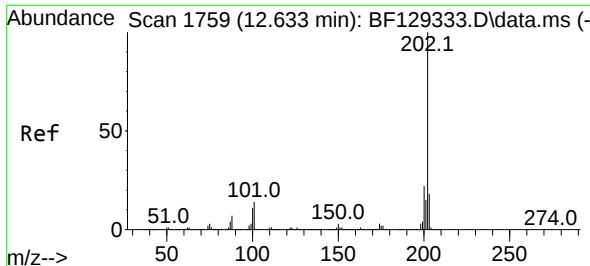


#73
 Carbazole
 Concen: 2.388 ng
 RT: 11.627 min Scan# 1588
 Delta R.T. -0.012 min
 Lab File: BF129552.D
 Acq: 03 Aug 2022 21:38



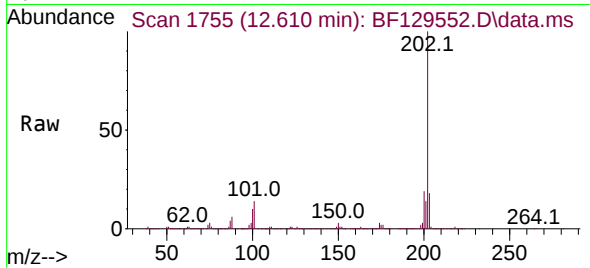
Tgt Ion:167 Resp: 32647
 Ion Ratio Lower Upper
 167 100
 166 23.2 17.7 26.5
 139 13.8 11.2 16.8





#75
Fluoranthene
Concen: 20.640 ng
RT: 12.610 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF129552.D
Acq: 03 Aug 2022 21:38

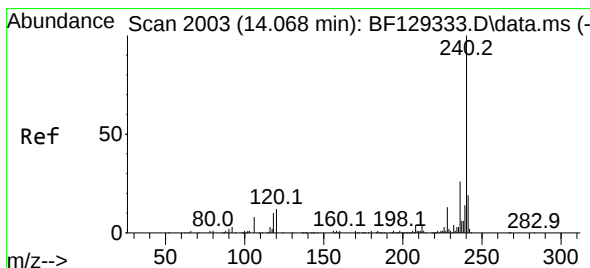
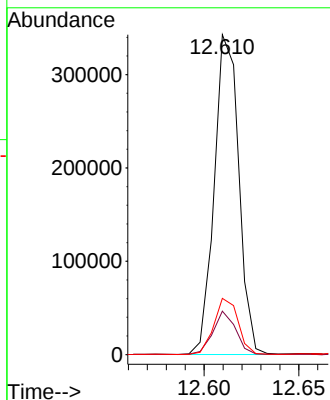
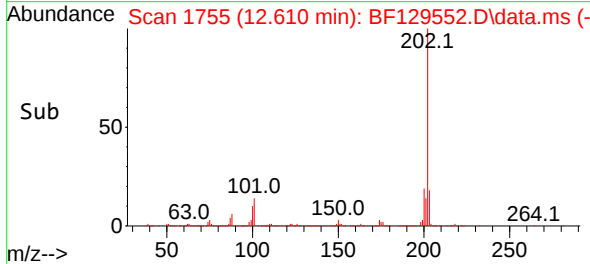
Instrument :
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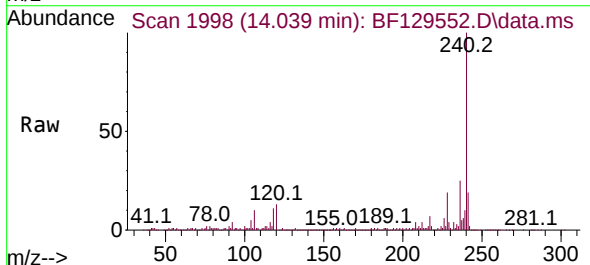
Tgt Ion:202 Resp: 309072
Ion Ratio Lower Upper
202 100
101 13.6 0.0 31.4
203 17.6 0.0 38.0

Manual Integrations
APPROVED

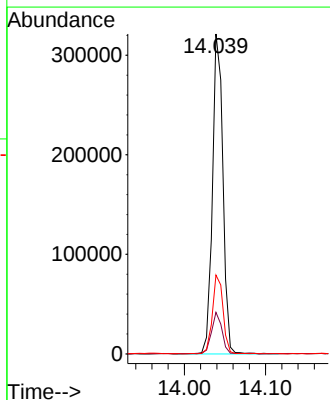
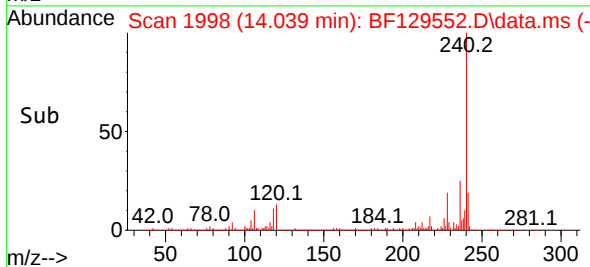
Reviewed By :Christian Giraldo 08/04/2022
Supervised By :Jagrut Upadhyay 08/05/2022

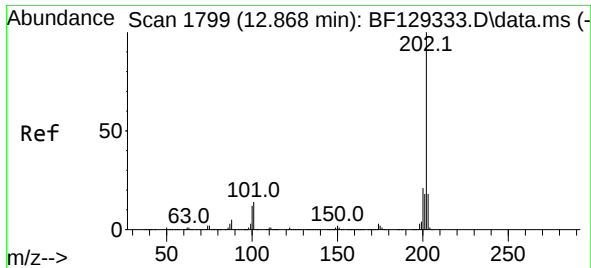


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.039 min Scan# 1998
Delta R.T. -0.012 min
Lab File: BF129552.D
Acq: 03 Aug 2022 21:38



Tgt Ion:240 Resp: 288797
Ion Ratio Lower Upper
240 100
120 13.0 8.9 13.3
236 24.6 20.8 31.2





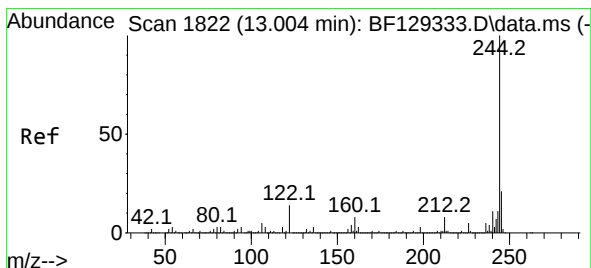
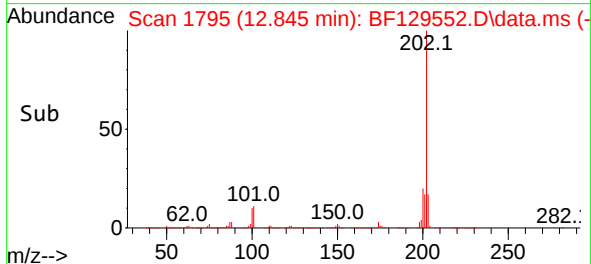
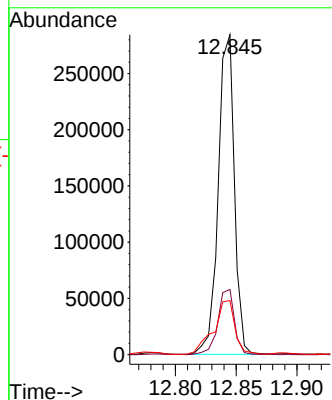
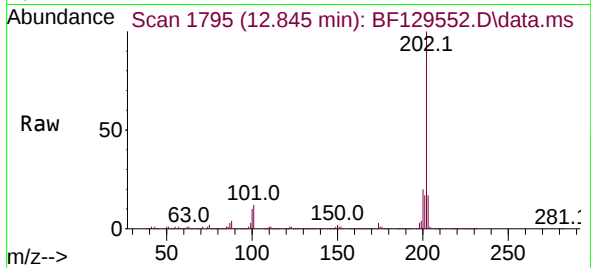
#78
Pyrene
Concen: 10.876 ng
RT: 12.845 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF129552.D
Acq: 03 Aug 2022 21:38

Instrument :
BNA_F
ClientSampleId :
RVE-108

Tgt Ion:202 Resp: 262662
Ion Ratio Lower Upper
202 100
200 20.4 17.7 26.5
203 16.9 14.6 21.8

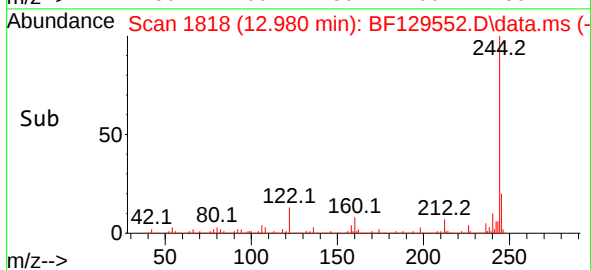
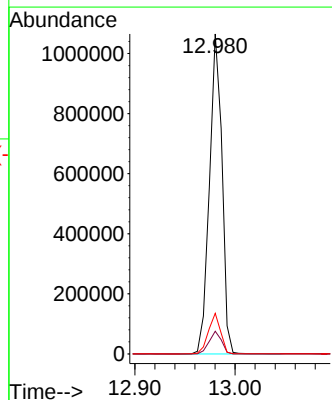
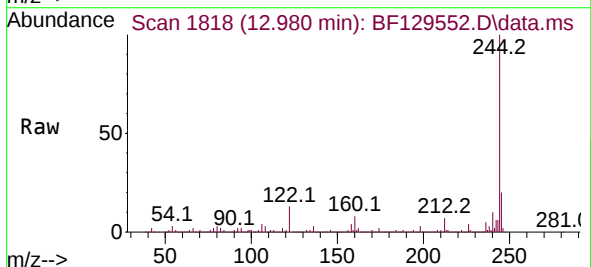
Manual Integrations
APPROVED

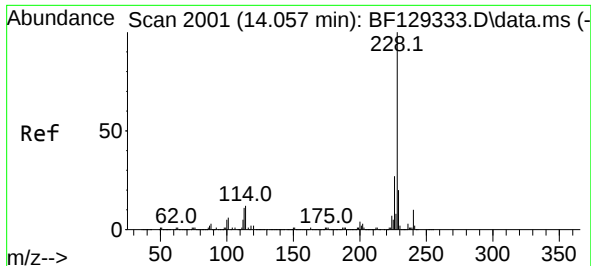
Reviewed By :Christian Giraldo 08/04/2022
Supervised By :Jagrut Upadhyay 08/05/2022



#79
Terphenyl-d14
Concen: 60.210 ng
RT: 12.980 min Scan# 1818
Delta R.T. -0.006 min
Lab File: BF129552.D
Acq: 03 Aug 2022 21:38

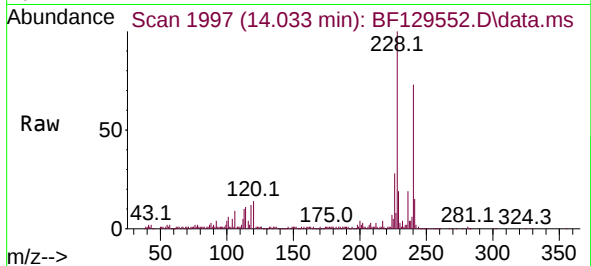
Tgt Ion:244 Resp: 921691
Ion Ratio Lower Upper
244 100
212 7.1 6.1 9.1
122 12.7 8.8 13.2





#81
Benzo(a)anthracene
Concen: 8.034 ng
RT: 14.033 min Scan# 1997
Delta R.T. -0.006 min
Lab File: BF129552.D
Acq: 03 Aug 2022 21:38

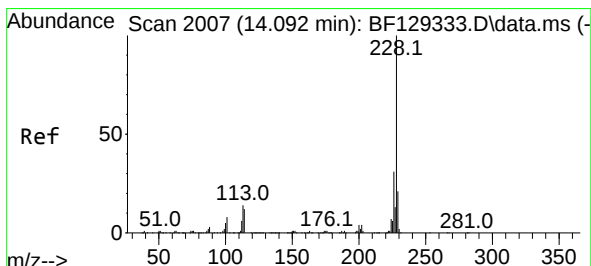
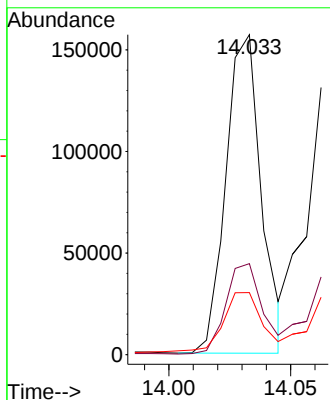
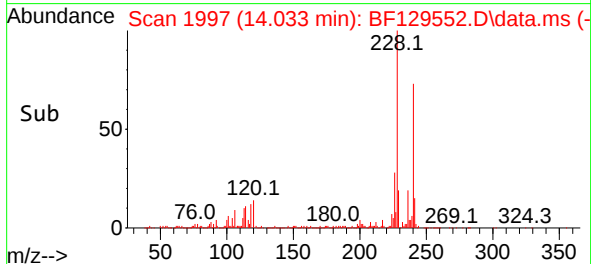
Instrument :
BNA_F
ClientSampleId :
RVE-108



Tgt Ion:228 Resp: 158487
Ion Ratio Lower Upper
228 100
226 28.4 22.1 33.1
229 19.4 15.8 23.8

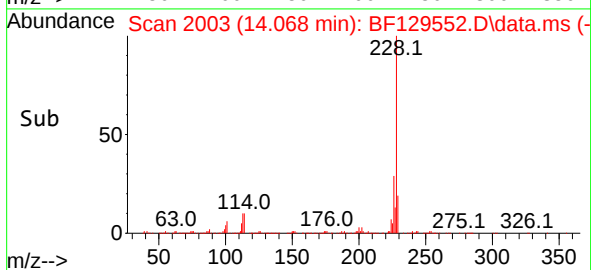
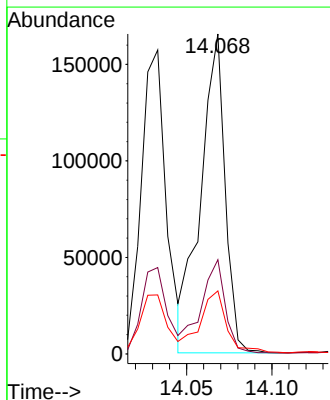
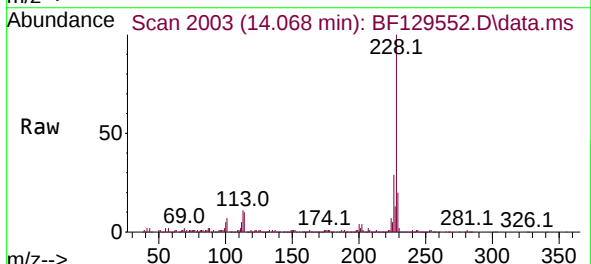
Manual Integrations
APPROVED

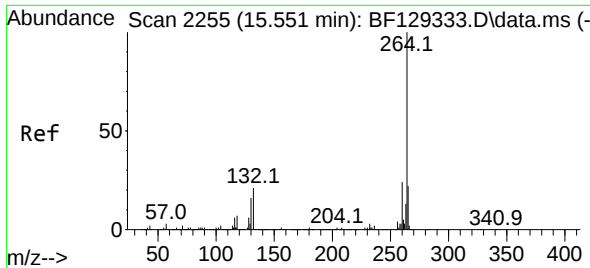
Reviewed By :Christian Giraldo 08/04/2022
Supervised By :Jagrut Upadhyay 08/05/2022



#83
Chrysene
Concen: 8.899 ng
RT: 14.068 min Scan# 2003
Delta R.T. -0.006 min
Lab File: BF129552.D
Acq: 03 Aug 2022 21:38

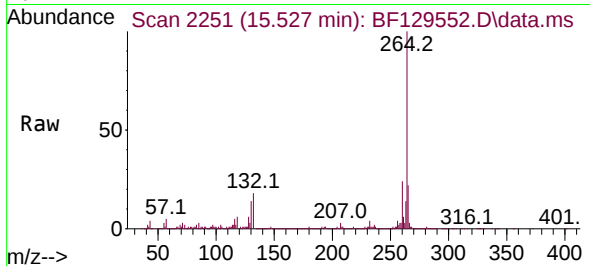
Tgt Ion:228 Resp: 165447
Ion Ratio Lower Upper
228 100
226 29.4 24.3 36.5
229 19.7 15.9 23.9





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.527 min Scan# 21
Delta R.T. -0.000 min
Lab File: BF129552.D
Acq: 03 Aug 2022 21:38

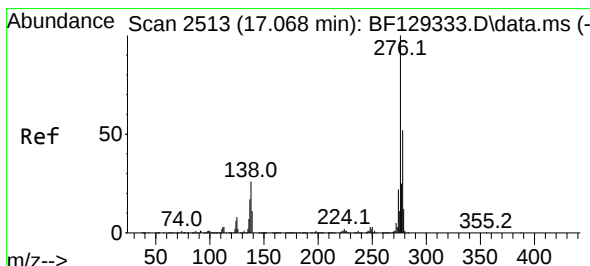
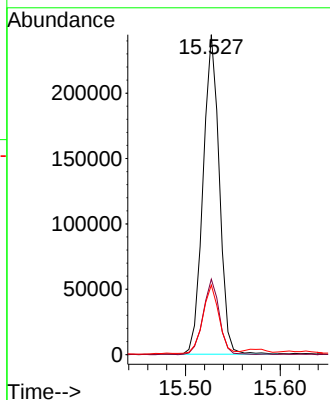
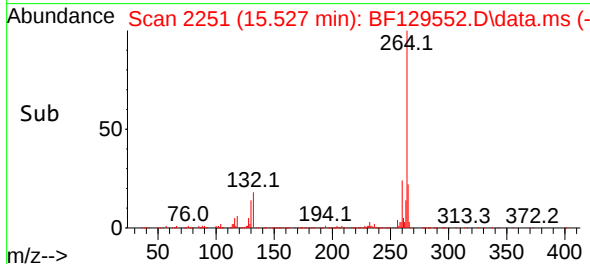
Instrument :
BNA_F
ClientSampleId :
RVE-108



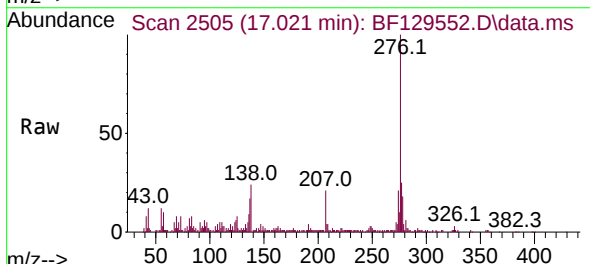
Tgt Ion:264 Resp: 291854
Ion Ratio Lower Upper
264 100
260 23.6 18.4 27.6
265 21.7 17.2 25.8

Manual Integrations
APPROVED

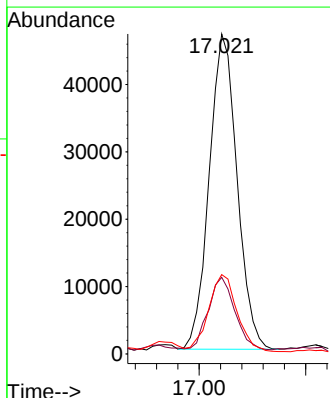
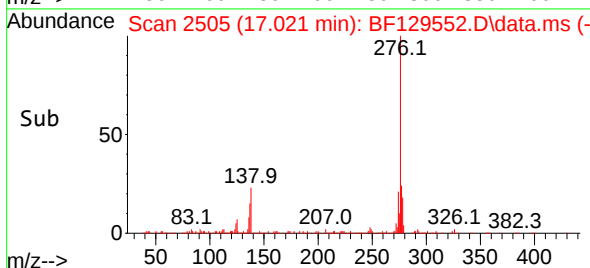
Reviewed By :Christian Giraldo 08/04/2022
Supervised By :Jagrut Upadhyay 08/05/2022

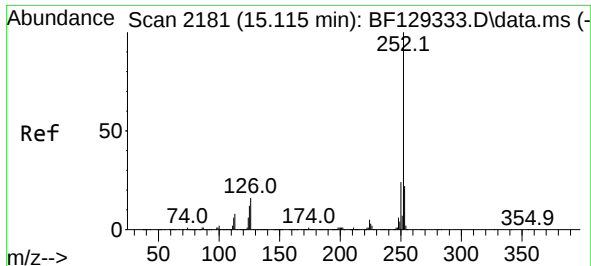


#87
Indeno(1,2,3-cd)pyrene
Concen: 4.332 ng
RT: 17.021 min Scan# 2505
Delta R.T. -0.012 min
Lab File: BF129552.D
Acq: 03 Aug 2022 21:38



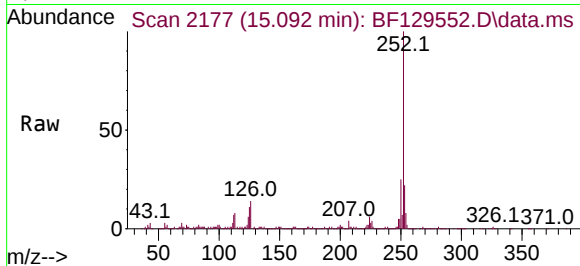
Tgt Ion:276 Resp: 85139
Ion Ratio Lower Upper
276 100
138 23.1 21.1 31.7
277 25.0 20.3 30.5





#88
Benzo(b)fluoranthene
Concen: 14.500 ng m
RT: 15.092 min Scan# 2177
Delta R.T. -0.000 min
Lab File: BF129552.D
Acq: 03 Aug 2022 21:38

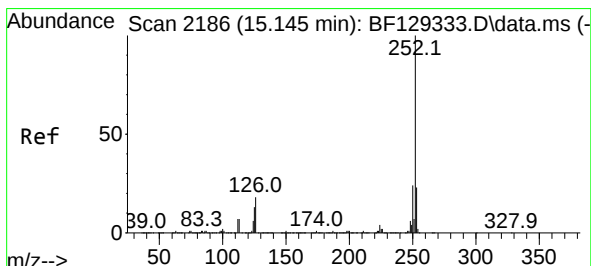
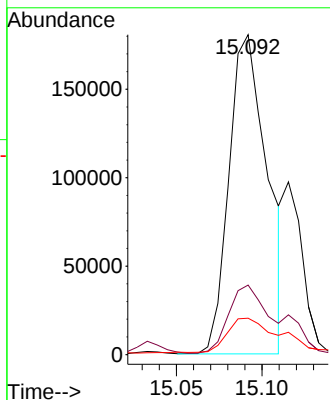
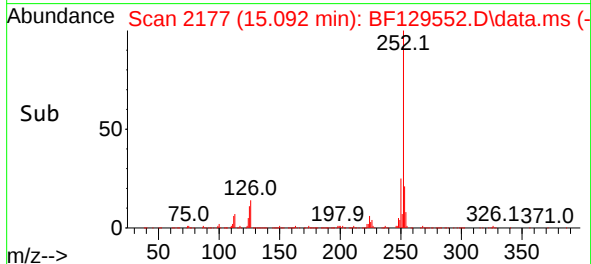
Instrument :
BNA_F
ClientSampleId :
RVE-108



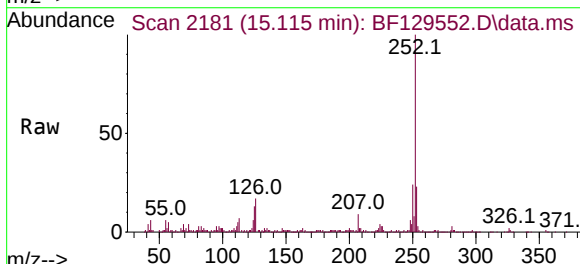
Tgt Ion:252 Resp: 280714
Ion Ratio Lower Upper
252 100
253 21.7 17.7 26.5
125 11.4 8.0 12.0

Manual Integrations
APPROVED

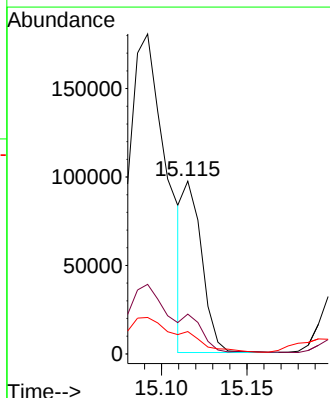
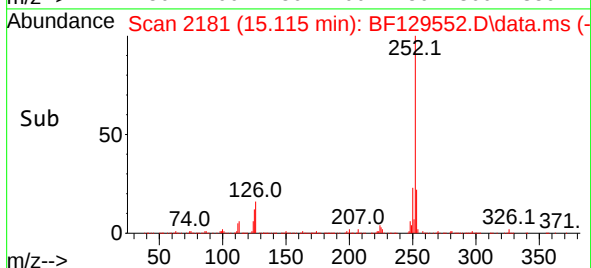
Reviewed By :Christian Giraldo 08/04/2022
Supervised By :Jagrut Upadhyay 08/05/2022

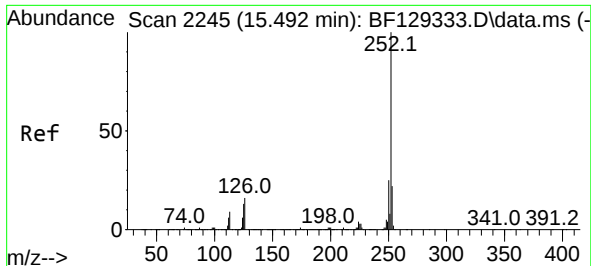


#89
Benzo(k)fluoranthene
Concen: 3.835 ng m
RT: 15.115 min Scan# 2181
Delta R.T. -0.006 min
Lab File: BF129552.D
Acq: 03 Aug 2022 21:38



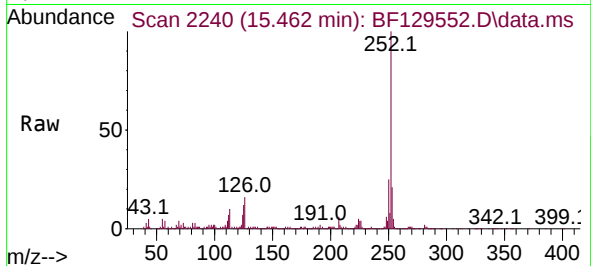
Tgt Ion:252 Resp: 72766
Ion Ratio Lower Upper
252 100
253 23.0 17.8 26.6
125 13.0 8.3 12.5





#90
Benzo(a)pyrene
Concen: 9.278 ng
RT: 15.462 min Scan# 2245
Delta R.T. -0.006 min
Lab File: BF129552.D
Acq: 03 Aug 2022 21:38

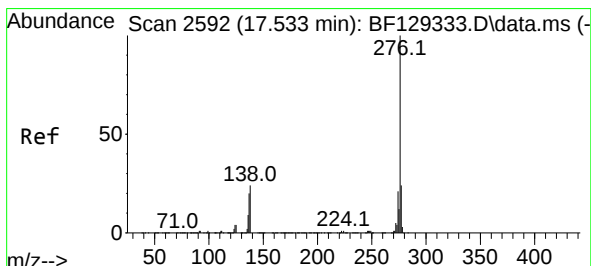
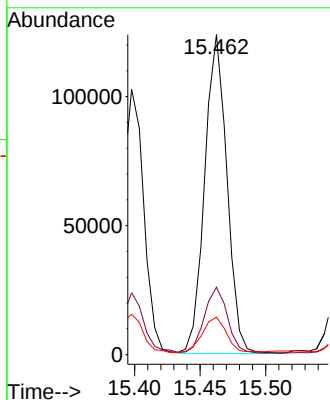
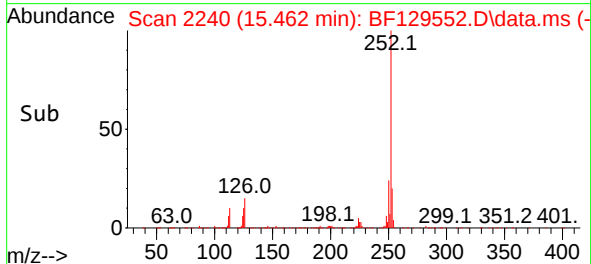
Instrument :
BNA_F
ClientSampleId :
RVE-108



Tgt Ion: 252 Resp: 145815
Ion Ratio Lower Upper
252 100
253 21.1 17.0 25.6
125 11.7 8.8 13.2

Manual Integrations
APPROVED

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



#92
Benzo(g,h,i)perylene
Concen: 4.499 ng
RT: 17.480 min Scan# 2583
Delta R.T. -0.012 min
Lab File: BF129552.D
Acq: 03 Aug 2022 21:38

Tgt Ion: 276 Resp: 73546
Ion Ratio Lower Upper
276 100
277 23.8 19.1 28.7
138 21.4 18.0 27.0

