

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070522\
 Data File : BF129124.D
 Acq On : 05 Jul 2022 15:21
 Operator : CG\JU
 Sample : N3557-01DL 10X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OR-02-063022DL

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 07/06/2022
 Supervised By : Jagrut Upadhyay 07/06/2022

Quant Time: Jul 05 16:39:57 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062922.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 29 17:05:31 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.957	152	270171	20.000	ng	0.00
21) Naphthalene-d8	8.239	136	921854	20.000	ng	0.00
39) Acenaphthene-d10	9.998	164	435374	20.000	ng	0.00
64) Phenanthrene-d10	11.492	188	797370	20.000	ng	0.00
76) Chrysene-d12	14.145	240	846431	20.000	ng	0.00
86) Perylene-d12	15.668	264	760574	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.569	112	101942	6.379	ng	-0.02
7) Phenol-d6	6.569	99	110806	5.583	ng	-0.02
23) Nitrobenzene-d5	7.510	82	66715	4.317	ng	-0.02
42) 2,4,6-Tribromophenol	10.786	330	26452	5.588	ng	-0.01
45) 2-Fluorobiphenyl	9.310	172	140409	5.159	ng	-0.01
79) Terphenyl-d14	13.074	244	182815	4.485	ng	-0.01
Target Compounds						Qvalue
31) Naphthalene	8.263	128	155073	3.705	ng	97
37) 2-Methylnaphthalene	8.951	142	143320	5.089	ng	98
38) 1-Methylnaphthalene	9.051	142	142123	5.197	ng	97
49) Acenaphthylene	9.857	152	77026	2.097	ng	# 94
52) Acenaphthene	10.033	154	187852	7.852	ng	99
55) Dibenzofuran	10.204	168	190932	5.481	ng	98
58) Fluorene	10.545	166	251866	9.347	ng	97
71) Phenanthrene	11.516	178	1654375	43.424	ng	99
72) Anthracene	11.568	178	411127	10.945	ng	98
73) Carbazole	11.721	167	188622	5.011	ng	96
75) Fluoranthene	12.710	202	1633862	41.007	ng	97
78) Pyrene	12.939	202	1513680	25.799	ng	98
81) Benzo(a)anthracene	14.133	228	663152	12.831	ng	95
83) Chrysene	14.168	228	644514	13.433	ng	97
87) Indeno(1,2,3-cd)pyrene	17.221	276	198227	4.249	ng	95
88) Benzo(b)fluoranthene	15.215	252	683650m	14.946	ng	
89) Benzo(k)fluoranthene	15.239	252	219587m	4.950	ng	
90) Benzo(a)pyrene	15.598	252	479022	12.846	ng	# 94
92) Benzo(g,h,i)perylene	17.698	276	185659	4.866	ng	97

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

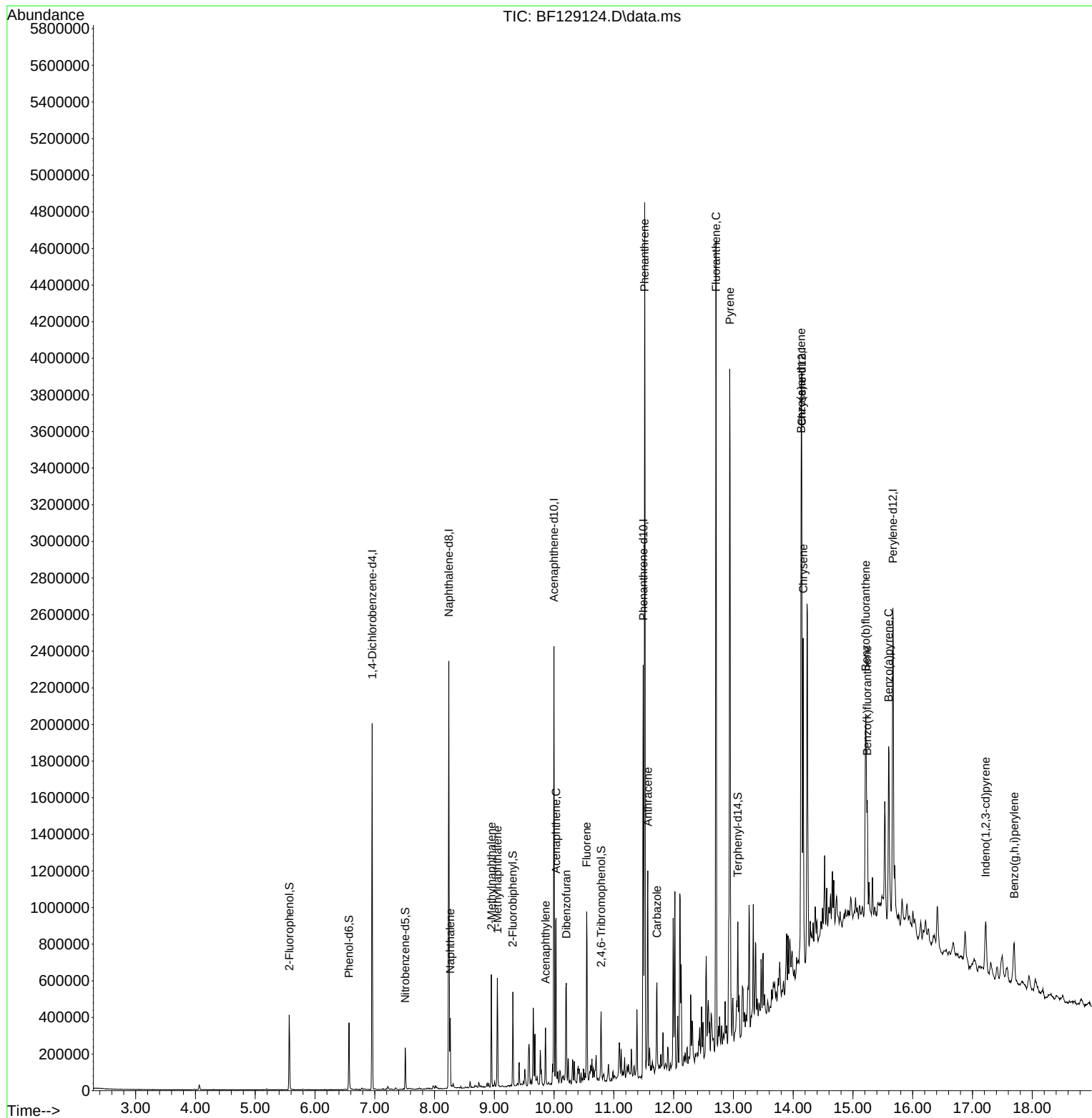
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070522\
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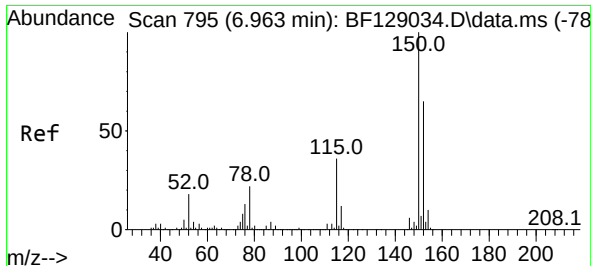
Instrument :
BNA_F
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062922.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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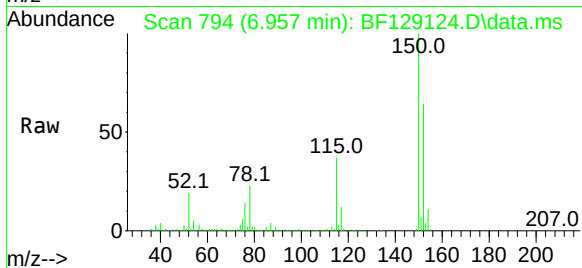
Reviewed By :Christian Giraldo 07/06/2022
Supervised By :Jagrut Upadhyay 07/06/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.957 min Scan# 795
Delta R.T. -0.006 min
Lab File: BF129124.D
Acq: 05 Jul 2022 15:21

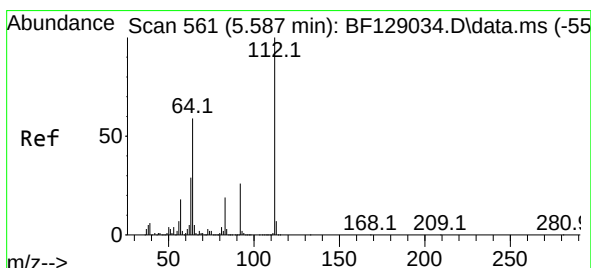
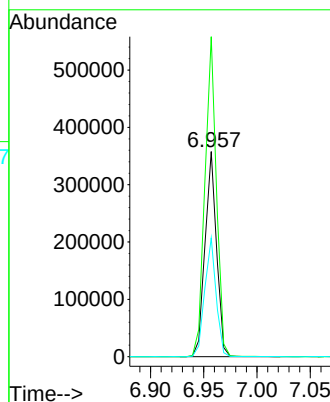
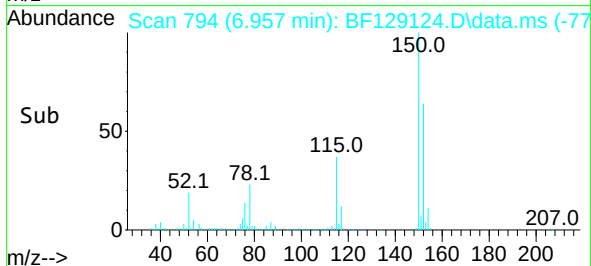
Instrument :
BNA_F
ClientSampleId :
OR-02-063022DL



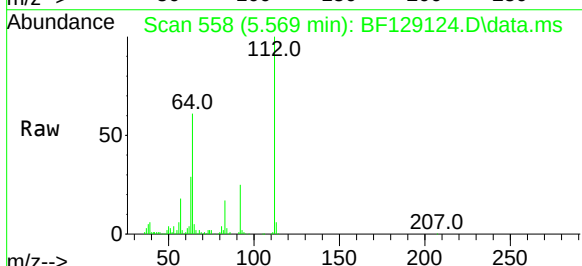
Tgt Ion:152 Resp: 27017
Ion Ratio Lower Upper
152 100
150 156.0 123.7 185.5
115 57.9 49.9 74.9

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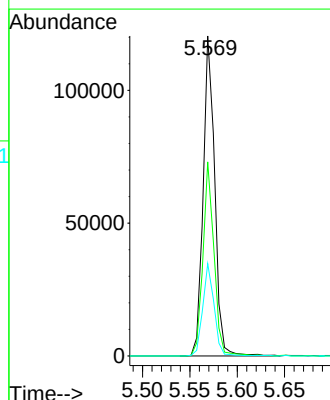
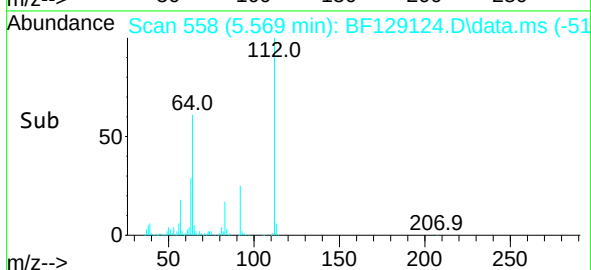
Reviewed By :Christian Giraldo 07/06/2022
Supervised By :Jagrut Upadhyay 07/06/2022

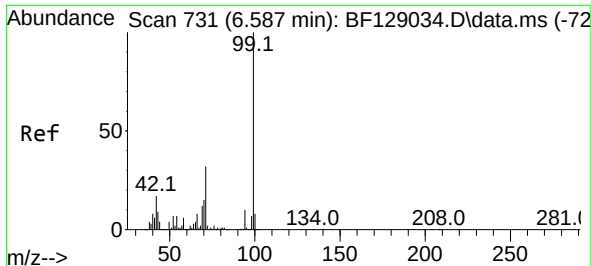


#5
2-Fluorophenol
Concen: 6.379 ng
RT: 5.569 min Scan# 558
Delta R.T. -0.018 min
Lab File: BF129124.D
Acq: 05 Jul 2022 15:21



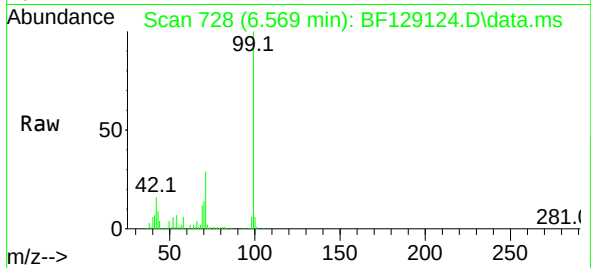
Tgt Ion:112 Resp: 101942
Ion Ratio Lower Upper
112 100
64 60.6 53.3 79.9
63 28.9 28.0 42.0





#7
Phenol-d6
Concen: 5.583 ng
RT: 6.569 min Scan# 71
Delta R.T. -0.018 min
Lab File: BF129124.D
Acq: 05 Jul 2022 15:21

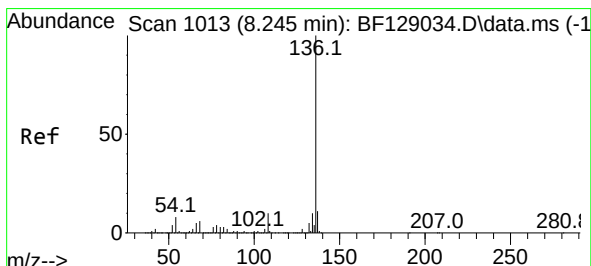
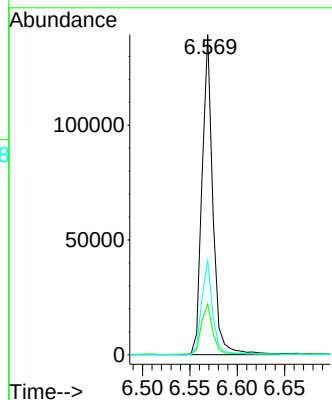
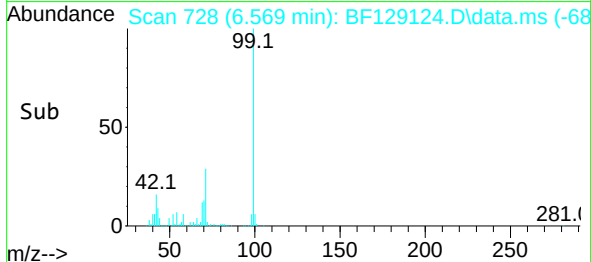
Instrument :
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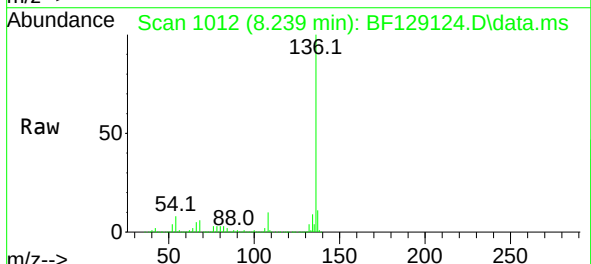
Tgt Ion: 99 Resp: 110800
Ion Ratio Lower Upper
99 100
42 15.8 17.3 25.9
71 29.4 28.9 43.3

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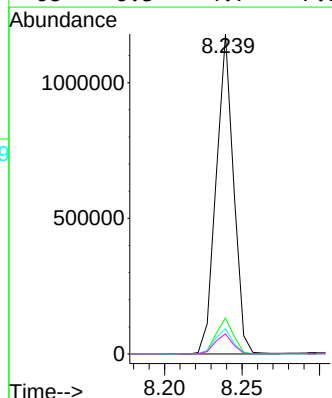
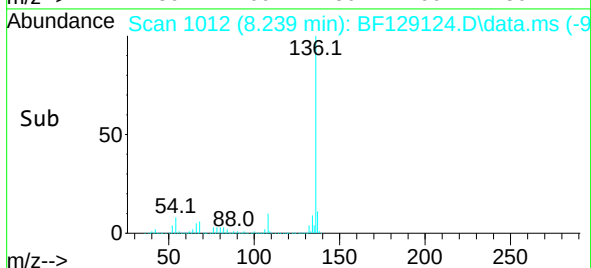
Reviewed By :Christian Giraldo 07/06/2022
Supervised By :Jagrut Upadhyay 07/06/2022

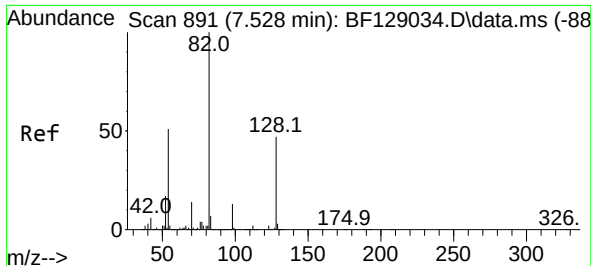


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.239 min Scan# 1012
Delta R.T. -0.006 min
Lab File: BF129124.D
Acq: 05 Jul 2022 15:21



Tgt Ion:136 Resp: 921854
Ion Ratio Lower Upper
136 100
137 11.2 8.8 13.2
54 7.8 7.5 11.3
68 6.3 4.7 7.1





#23

Nitrobenzene-d5

Concen: 4.317 ng

RT: 7.510 min Scan# 81

Delta R.T. -0.018 min

Lab File: BF129124.D

Acq: 05 Jul 2022 15:21

Instrument :

BNA_F

ClientSampleId :

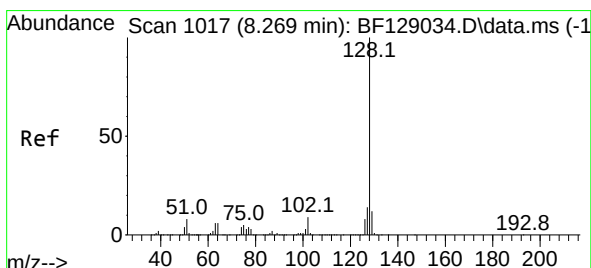
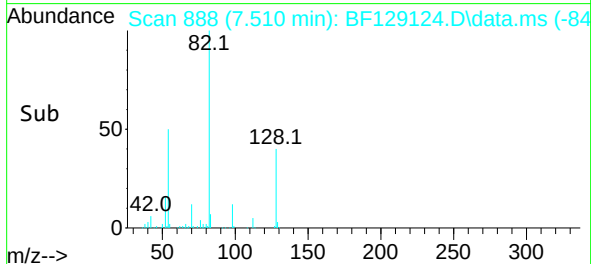
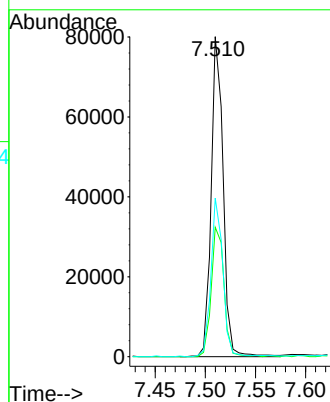
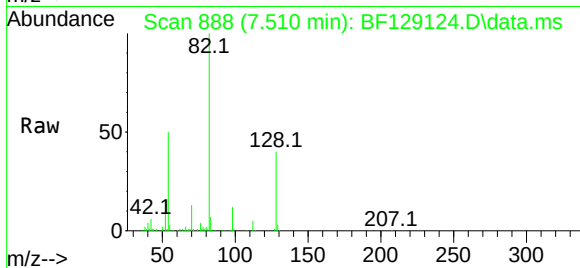
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Tgt Ion: 82	Resp: 66715
Ion Ratio	Lower Upper
82 100	
128 40.4	34.0 51.0
54 49.6	46.9 70.3

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Supervised By :Jagrut Upadhyay 07/06/2022



#31

Naphthalene

Concen: 3.705 ng

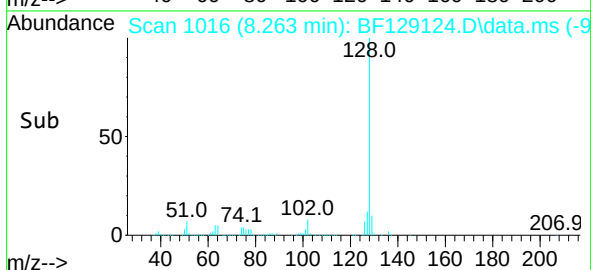
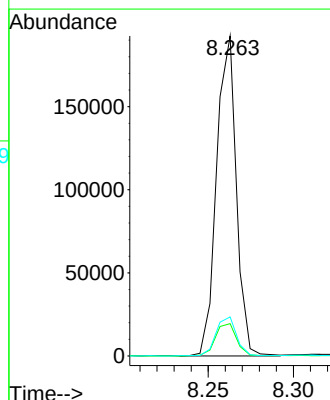
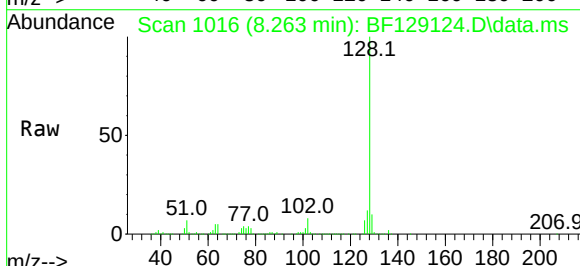
RT: 8.263 min Scan# 1016

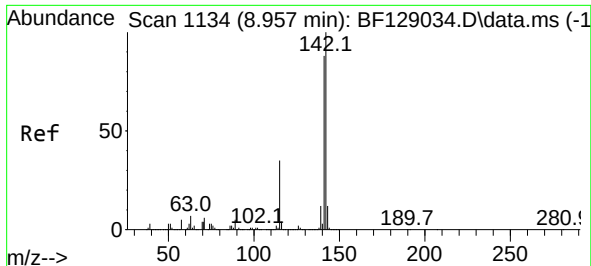
Delta R.T. -0.006 min

Lab File: BF129124.D

Acq: 05 Jul 2022 15:21

Tgt Ion: 128	Resp: 155073
Ion Ratio	Lower Upper
128 100	
129 10.1	9.2 13.8
127 12.2	10.5 15.7





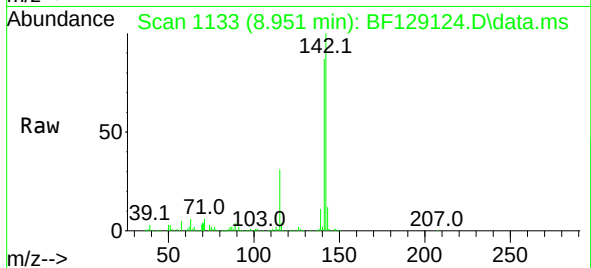
#37
2-Methylnaphthalene
Concen: 5.089 ng
RT: 8.951 min Scan# 1133
Delta R.T. -0.006 min
Lab File: BF129124.D
Acq: 05 Jul 2022 15:21

Instrument :

BNA_F

ClientSampleId :

OR-02-063022DL

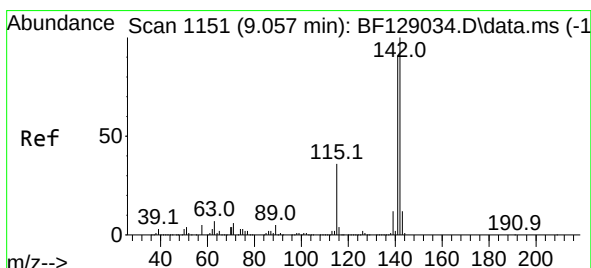
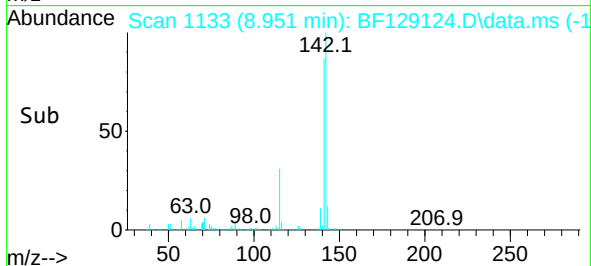
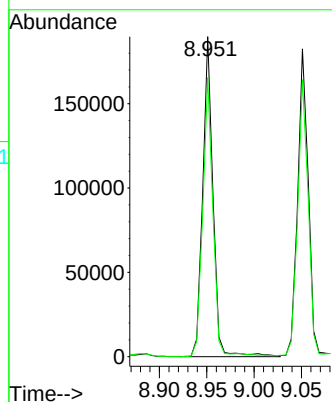


Tgt Ion:142 Resp: 143320
Ion Ratio Lower Upper
142 100
141 87.2 71.0 106.4

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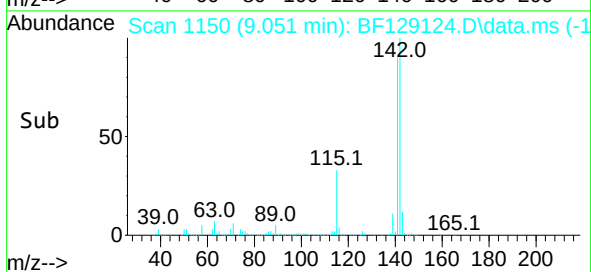
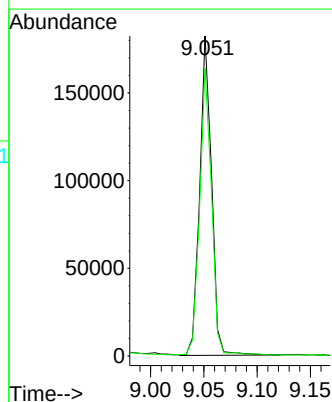
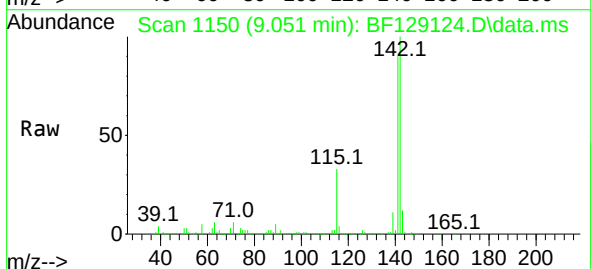
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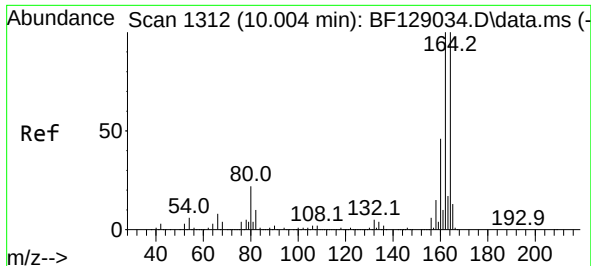
Reviewed By :Christian Giraldo 07/06/2022
Supervised By :Jagrut Upadhyay 07/06/2022



#38
1-Methylnaphthalene
Concen: 5.197 ng
RT: 9.051 min Scan# 1150
Delta R.T. -0.006 min
Lab File: BF129124.D
Acq: 05 Jul 2022 15:21

Tgt Ion:142 Resp: 142123
Ion Ratio Lower Upper
142 100
141 90.0 74.2 111.4





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.998 min Scan# 1311

Delta R.T. -0.006 min

Lab File: BF129124.D

Acq: 05 Jul 2022 15:21

Instrument :

BNA_F

ClientSampleId :

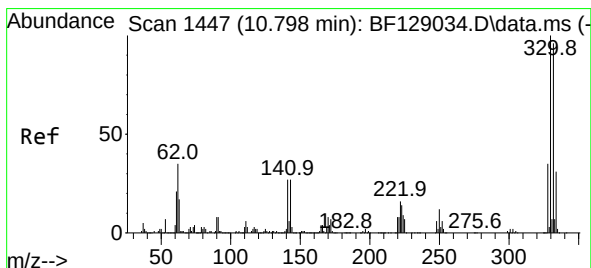
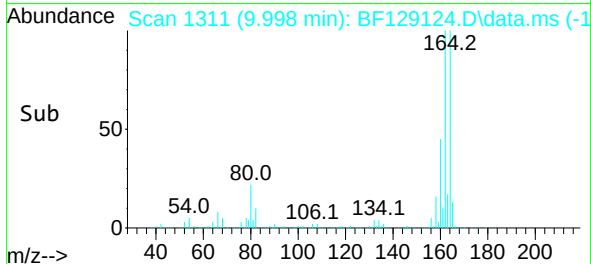
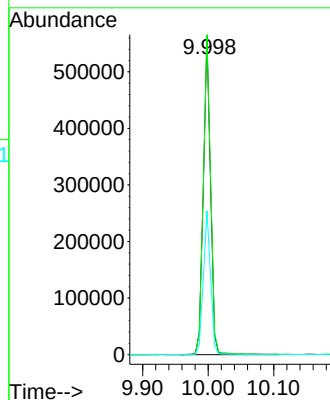
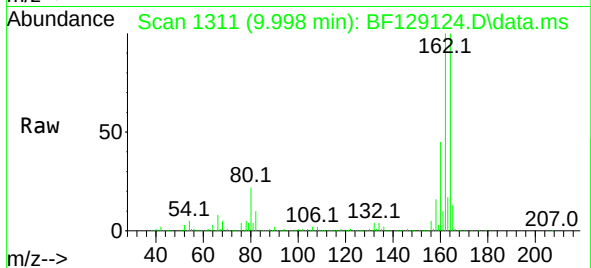
OR-02-063022DL

Tgt Ion:164 Resp: 435374
 Ion Ratio Lower Upper
 164 100
 162 100.2 79.5 119.3
 160 45.0 34.2 51.4

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 Supervised By :Jagrut Upadhyay 07/06/2022



#42

2,4,6-Tribromophenol

Concen: 5.588 ng

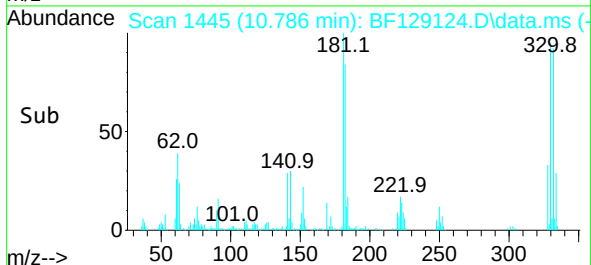
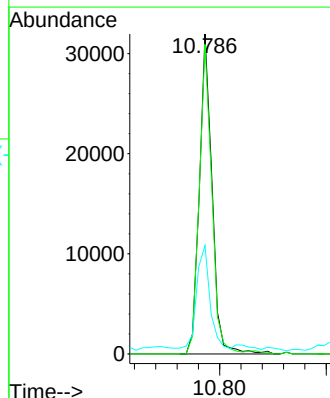
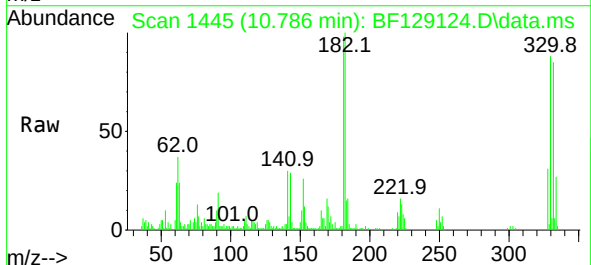
RT: 10.786 min Scan# 1445

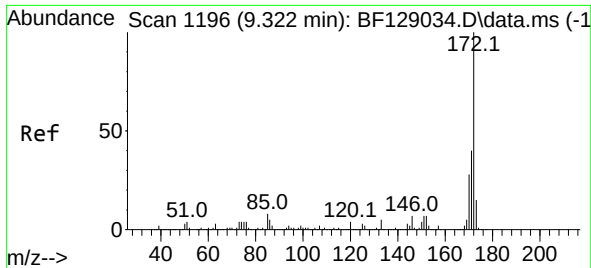
Delta R.T. -0.012 min

Lab File: BF129124.D

Acq: 05 Jul 2022 15:21

Tgt Ion:330 Resp: 26452
 Ion Ratio Lower Upper
 330 100
 332 95.3 76.8 115.2
 141 33.1 28.0 42.0





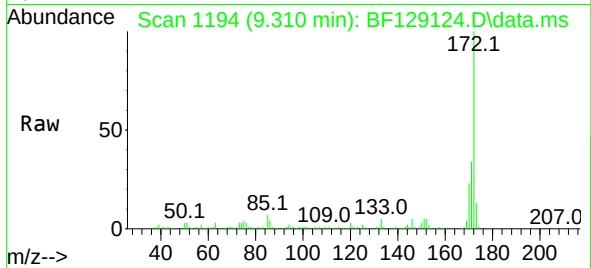
#45
2-Fluorobiphenyl
Concen: 5.159 ng
RT: 9.310 min Scan# 1196
Delta R.T. -0.012 min
Lab File: BF129124.D
Acq: 05 Jul 2022 15:21

Instrument :

BNA_F

ClientSampleId :

OR-02-063022DL

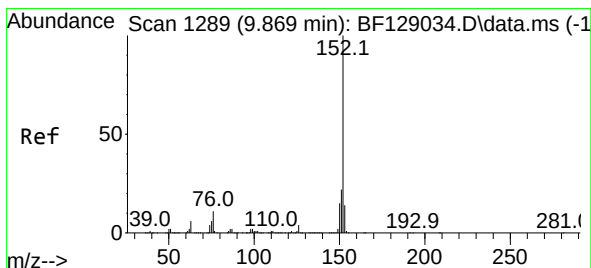
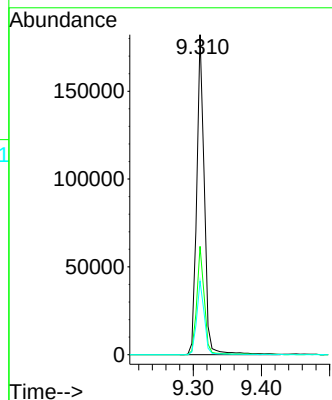
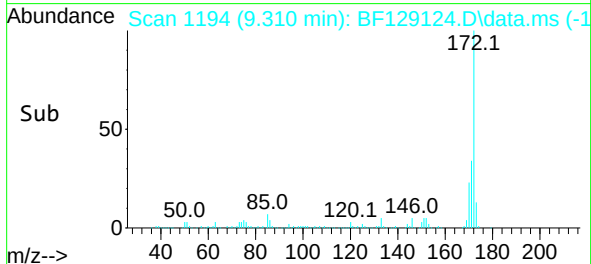


Tgt Ion:172 Resp: 140409
Ion Ratio Lower Upper
172 100
171 33.8 28.8 43.2
170 23.0 19.8 29.8

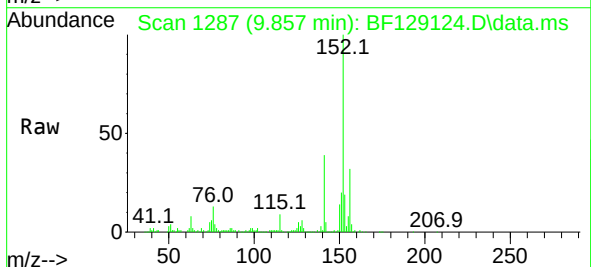
Manual Integrations

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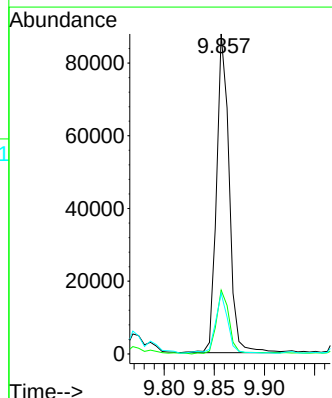
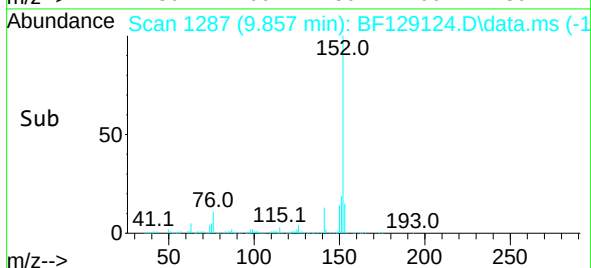
Reviewed By :Christian Giraldo 07/06/2022
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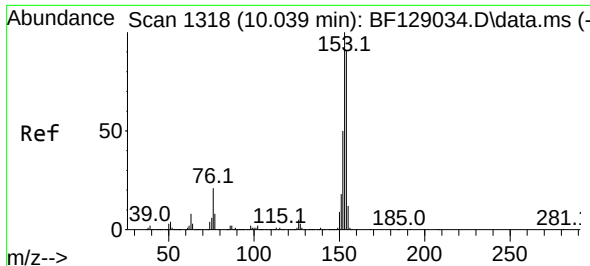


#49
Acenaphthylene
Concen: 2.097 ng
RT: 9.857 min Scan# 1287
Delta R.T. -0.012 min
Lab File: BF129124.D
Acq: 05 Jul 2022 15:21



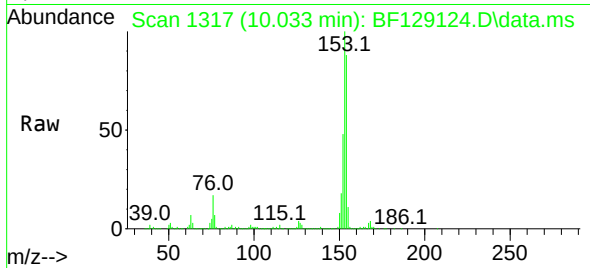
Tgt Ion:152 Resp: 77026
Ion Ratio Lower Upper
152 100
151 19.9 16.2 24.4
153 18.9 10.7 16.1





#52
Acenaphthene
Concen: 7.852 ng
RT: 10.033 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF129124.D
Acq: 05 Jul 2022 15:21

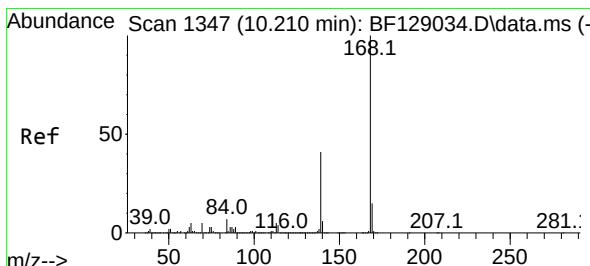
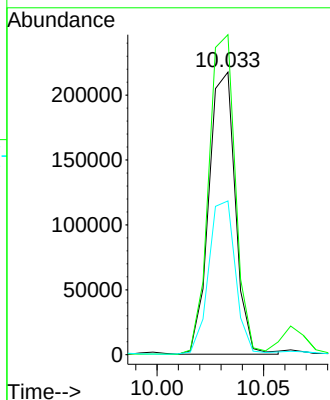
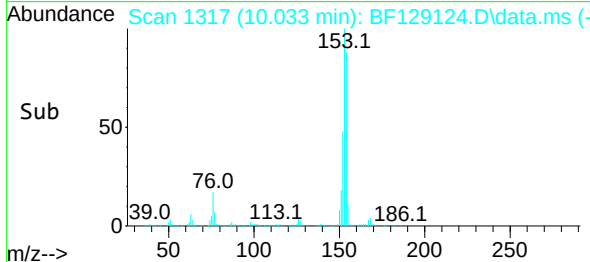
Instrument :
BNA_F
ClientSampleId :
OR-02-063022DL



Tgt Ion:154 Resp: 187852
Ion Ratio Lower Upper
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153 113.3 89.6 134.4
152 54.4 42.4 63.6

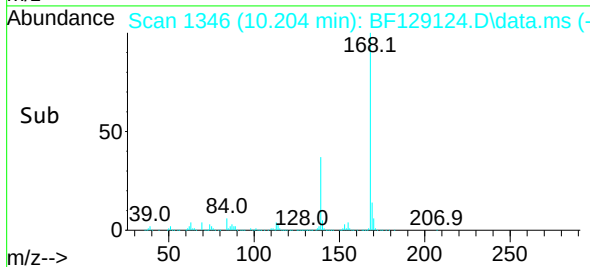
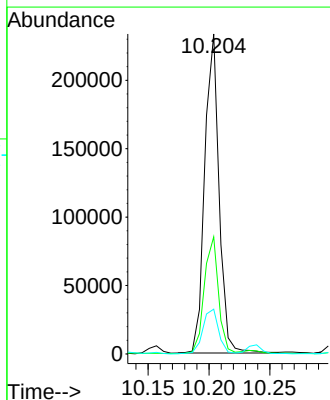
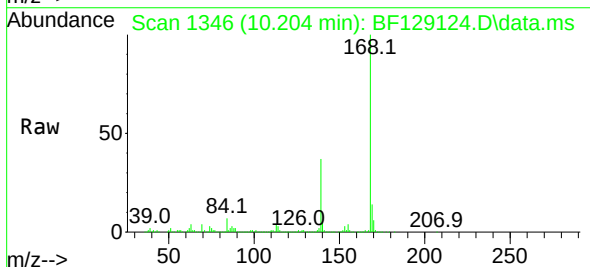
Manual Integrations
APPROVED

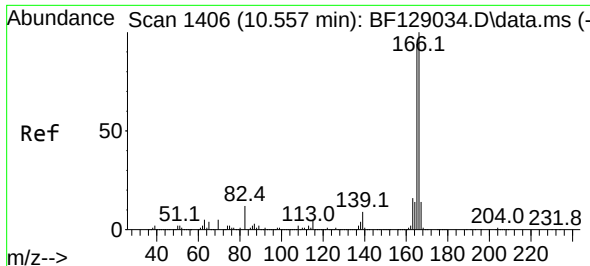
Reviewed By :Christian Giraldo 07/06/2022
Supervised By :Jagrut Upadhyay 07/06/2022



#55
Dibenzofuran
Concen: 5.481 ng
RT: 10.204 min Scan# 1346
Delta R.T. -0.006 min
Lab File: BF129124.D
Acq: 05 Jul 2022 15:21

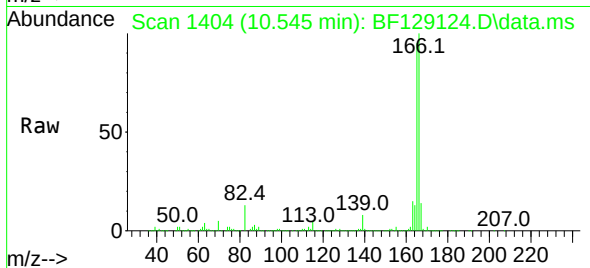
Tgt Ion:168 Resp: 190932
Ion Ratio Lower Upper
168 100
139 36.6 30.6 46.0
169 14.0 11.0 16.6





#58
Fluorene
Concen: 9.347 ng
RT: 10.545 min Scan# 1404
Delta R.T. -0.012 min
Lab File: BF129124.D
Acq: 05 Jul 2022 15:21

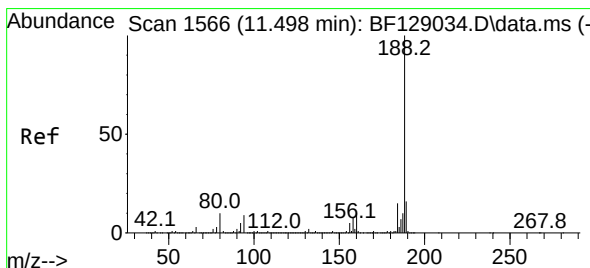
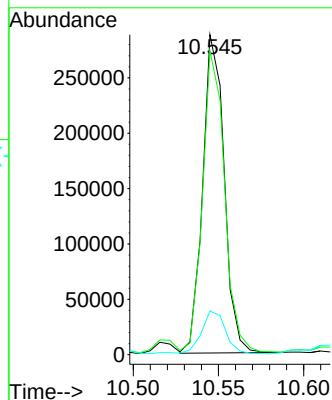
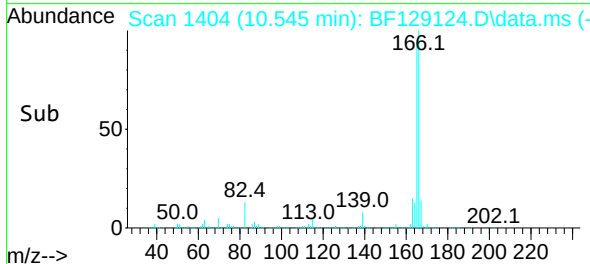
Instrument :
BNA_F
ClientSampleId :
OR-02-063022DL



Tgt Ion:166 Resp: 251860
Ion Ratio Lower Upper
166 100
165 94.9 78.1 117.1
167 13.7 10.5 15.7

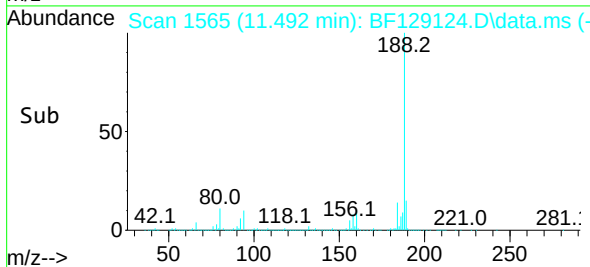
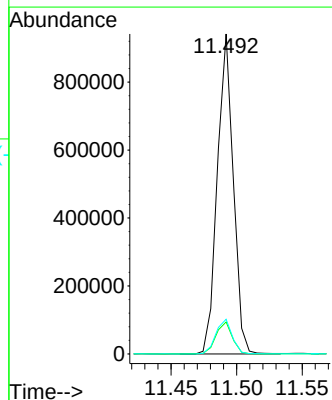
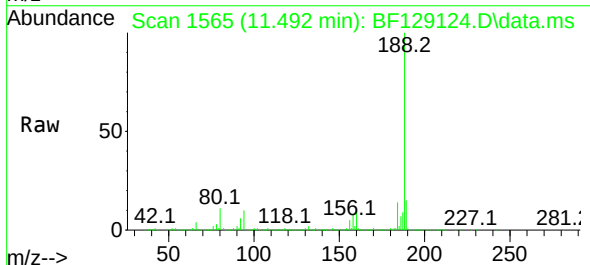
Manual Integrations
APPROVED

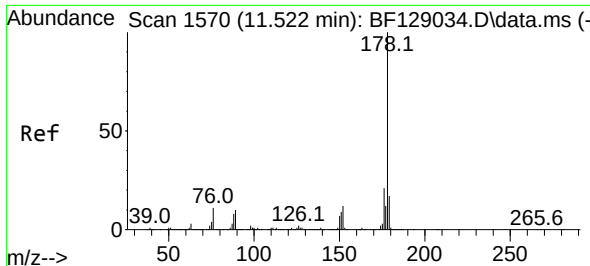
Reviewed By :Christian Giraldo 07/06/2022
Supervised By :Jagrut Upadhyay 07/06/2022



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.492 min Scan# 1565
Delta R.T. -0.006 min
Lab File: BF129124.D
Acq: 05 Jul 2022 15:21

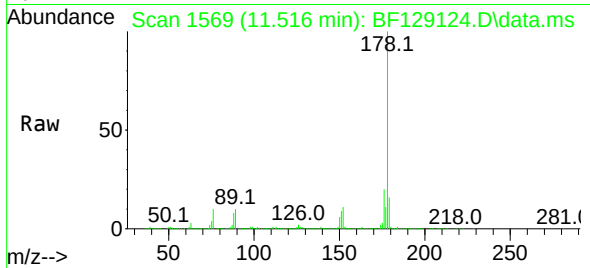
Tgt Ion:188 Resp: 797370
Ion Ratio Lower Upper
188 100
94 10.0 7.0 10.6
80 10.9 7.6 11.4





#71
Phenanthrene
Concen: 43.424 ng
RT: 11.516 min Scan# 11569
Delta R.T. -0.006 min
Lab File: BF129124.D
Acq: 05 Jul 2022 15:21

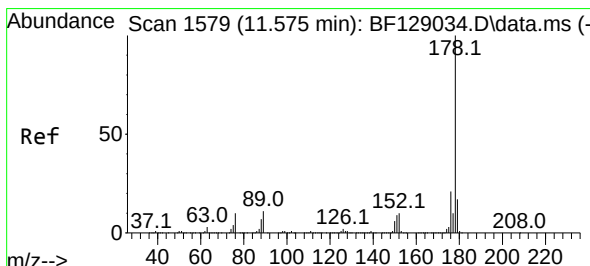
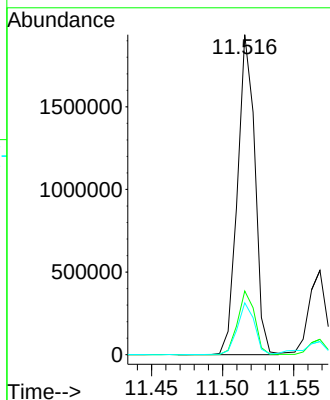
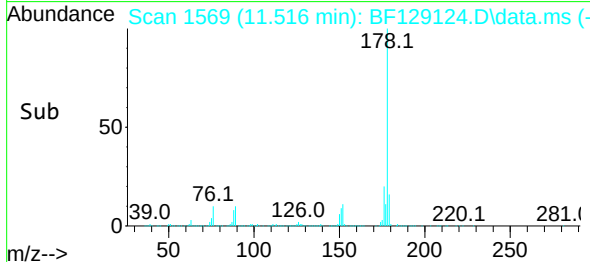
Instrument :
BNA_F
ClientSampleId :
OR-02-063022DL



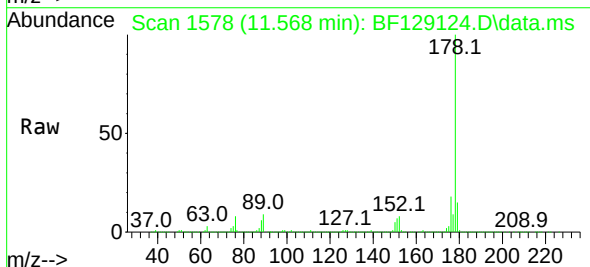
Tgt Ion:178 Resp: 1654375
Ion Ratio Lower Upper
178 100
176 19.9 16.0 24.0
179 16.2 12.6 19.0

Manual Integrations
APPROVED

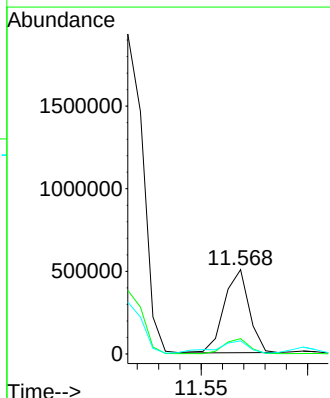
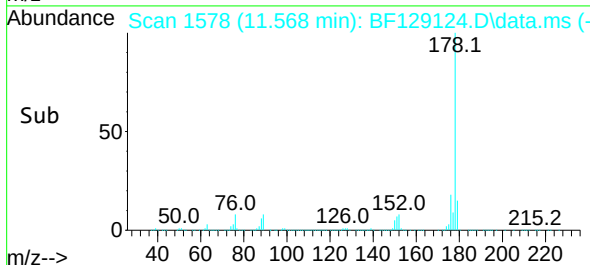
Reviewed By :Christian Giraldo 07/06/2022
Supervised By :Jagrut Upadhyay 07/06/2022

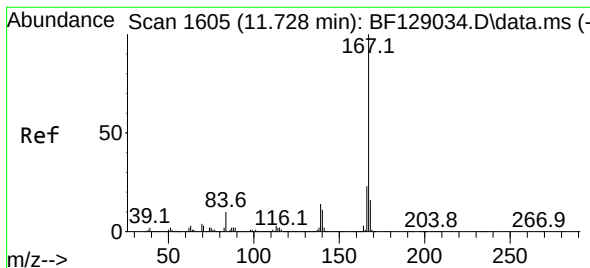


#72
Anthracene
Concen: 10.945 ng
RT: 11.568 min Scan# 1578
Delta R.T. -0.006 min
Lab File: BF129124.D
Acq: 05 Jul 2022 15:21



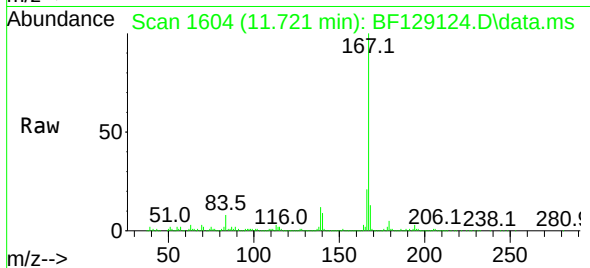
Tgt Ion:178 Resp: 411127
Ion Ratio Lower Upper
178 100
176 18.2 15.4 23.2
179 15.5 12.6 19.0





#73
 Carbazole
 Concen: 5.011 ng
 RT: 11.721 min Scan# 1604
 Delta R.T. -0.006 min
 Lab File: BF129124.D
 Acq: 05 Jul 2022 15:21

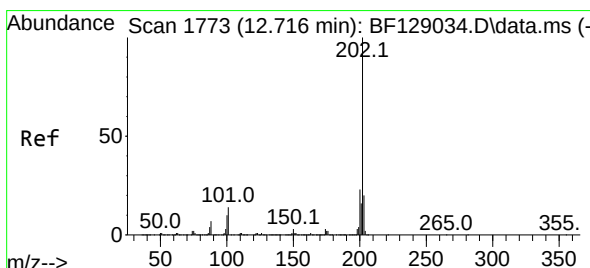
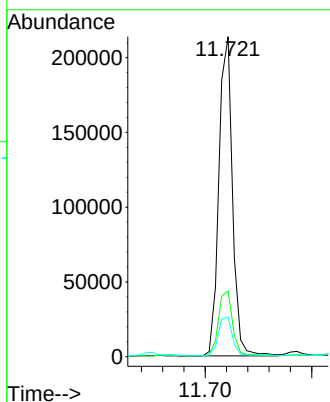
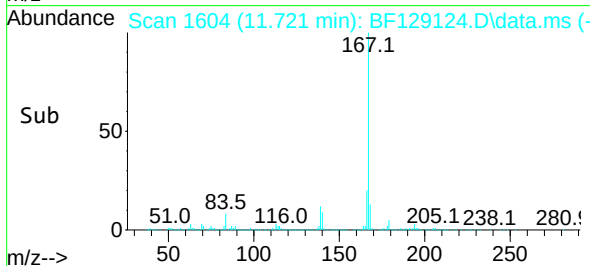
Instrument :
 BNA_F
 ClientSampleId :
 OR-02-063022DL



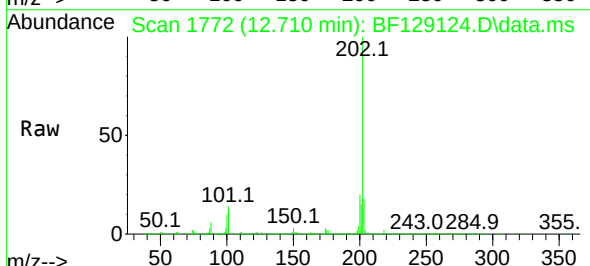
Tgt Ion:167 Resp: 18862
 Ion Ratio Lower Upper
 167 100
 166 20.5 17.7 26.5
 139 12.4 11.2 16.8

Manual Integrations
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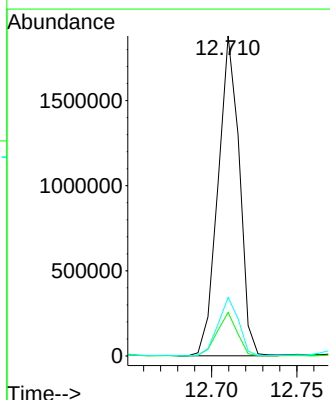
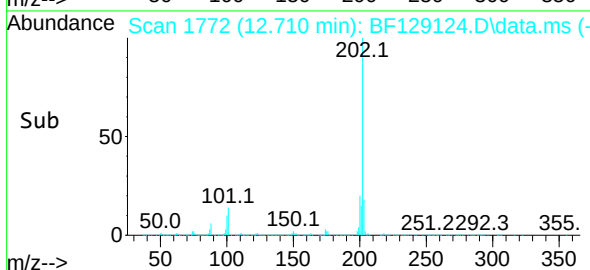
Reviewed By :Christian Giraldo 07/06/2022
 Supervised By :Jagrut Upadhyay 07/06/2022

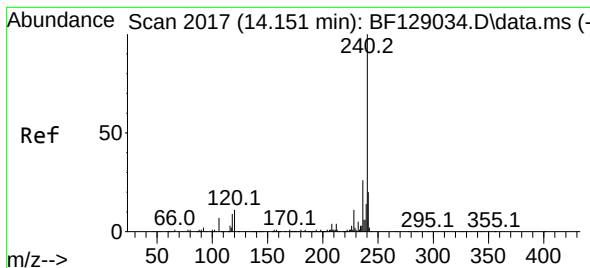


#75
 Fluoranthene
 Concen: 41.007 ng
 RT: 12.710 min Scan# 1772
 Delta R.T. -0.006 min
 Lab File: BF129124.D
 Acq: 05 Jul 2022 15:21



Tgt Ion:202 Resp: 1633862
 Ion Ratio Lower Upper
 202 100
 101 13.6 0.0 31.4
 203 18.3 0.0 38.0





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.145 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF129124.D

Acq: 05 Jul 2022 15:21

Instrument :

BNA_F

ClientSampleId :

OR-02-063022DL

Tgt Ion:240 Resp: 84643

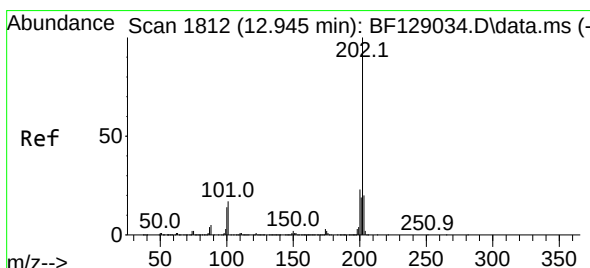
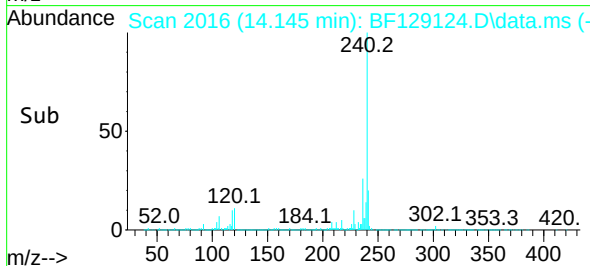
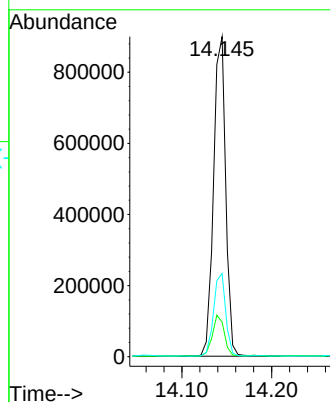
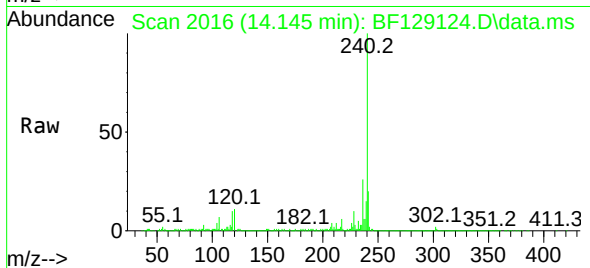
Ion	Ratio	Lower	Upper
240	100		
120	10.8	8.9	13.3
236	26.0	20.8	31.2

Manual Integrations

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Reviewed By :Christian Giraldo 07/06/2022

Supervised By :Jagrut Upadhyay 07/06/2022



#78

Pyrene

Concen: 25.799 ng

RT: 12.939 min Scan# 1811

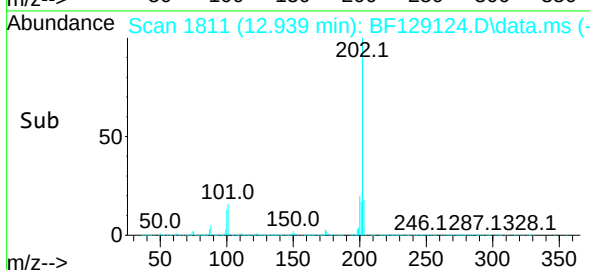
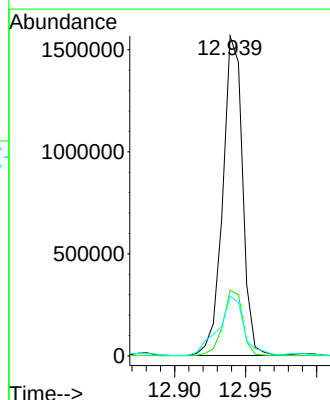
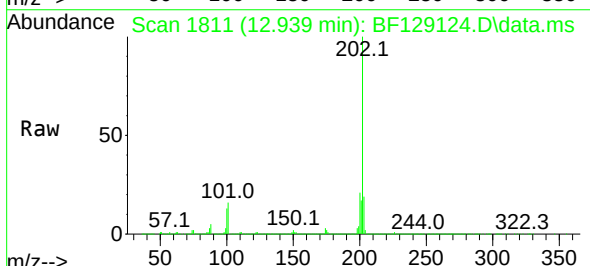
Delta R.T. -0.006 min

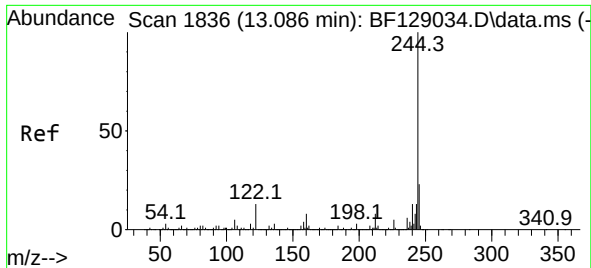
Lab File: BF129124.D

Acq: 05 Jul 2022 15:21

Tgt Ion:202 Resp: 1513680

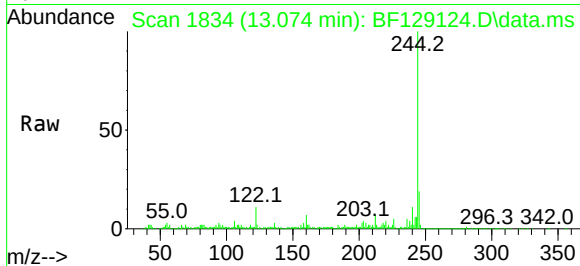
Ion	Ratio	Lower	Upper
202	100		
200	20.6	17.7	26.5
203	18.6	14.6	21.8





#79
 Terphenyl-d14
 Concen: 4.485 ng
 RT: 13.074 min Scan# 1836
 Delta R.T. -0.012 min
 Lab File: BF129124.D
 Acq: 05 Jul 2022 15:21

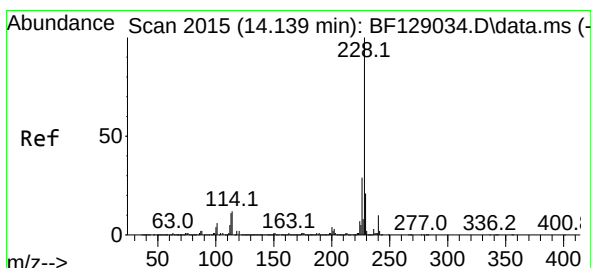
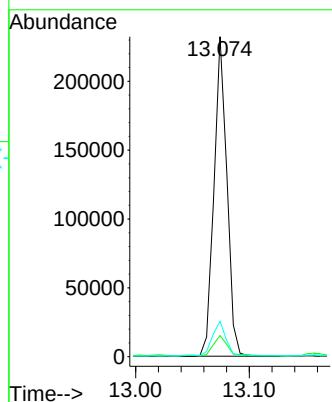
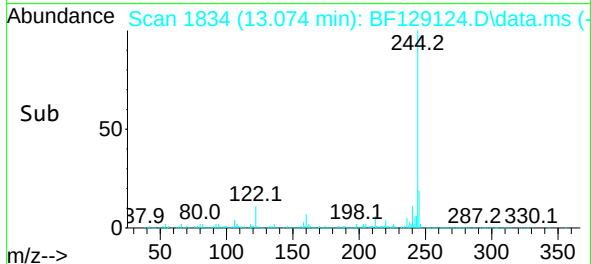
Instrument :
 BNA_F
 ClientSampleId :
 OR-02-063022DL



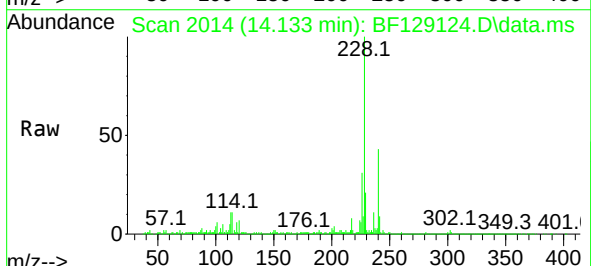
Tgt Ion:244 Resp: 182815
 Ion Ratio Lower Upper
 244 100
 212 6.6 6.1 9.1
 122 11.1 8.8 13.2

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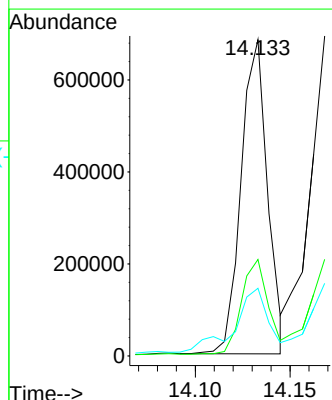
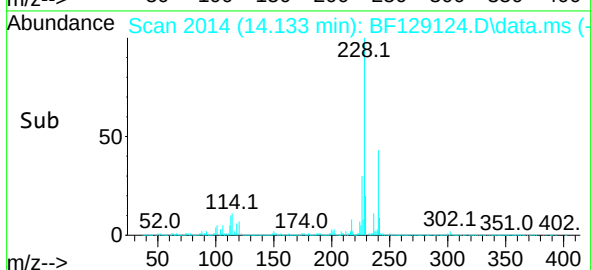
Reviewed By :Christian Giraldo 07/06/2022
 Supervised By :Jagrut Upadhyay 07/06/2022

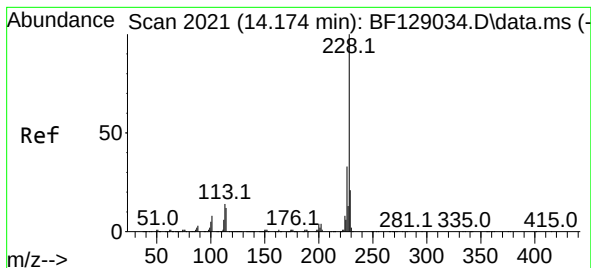


#81
 Benzo(a)anthracene
 Concen: 12.831 ng
 RT: 14.133 min Scan# 2014
 Delta R.T. -0.006 min
 Lab File: BF129124.D
 Acq: 05 Jul 2022 15:21



Tgt Ion:228 Resp: 663152
 Ion Ratio Lower Upper
 228 100
 226 30.5 22.1 33.1
 229 21.4 15.8 23.8





#83

Chrysene

Concen: 13.433 ng

RT: 14.168 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF129124.D

Acq: 05 Jul 2022 15:21

Instrument :

BNA_F

ClientSampleId :

OR-02-063022DL

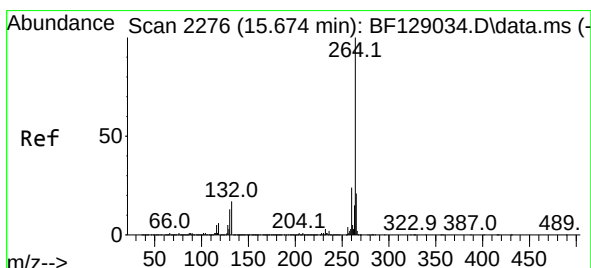
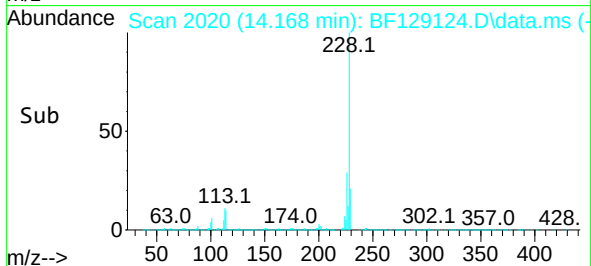
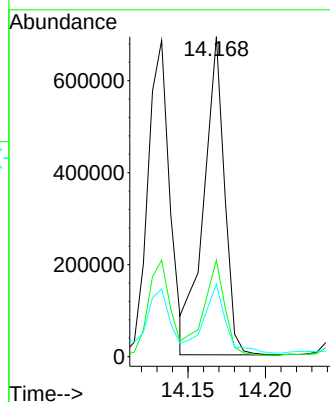
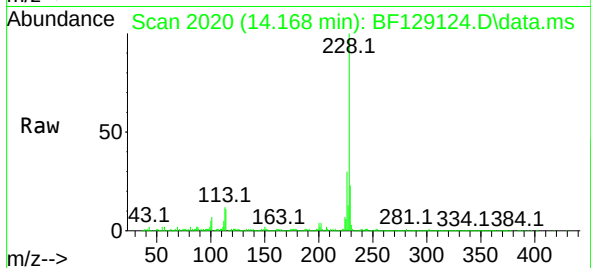
Tgt Ion:228 Resp: 644514
 Ion Ratio Lower Upper
 228 100
 226 30.2 24.3 36.5
 229 22.7 15.9 23.9

Manual Integrations

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Reviewed By :Christian Giraldo 07/06/2022

Supervised By :Jagrut Upadhyay 07/06/2022



#86

Perylene-d12

Concen: 20.000 ng

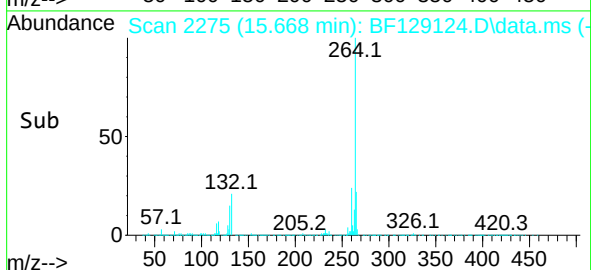
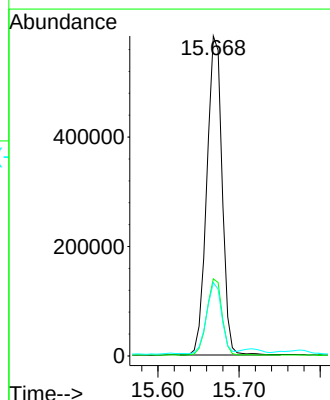
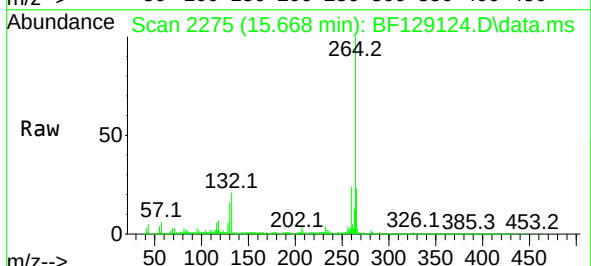
RT: 15.668 min Scan# 2275

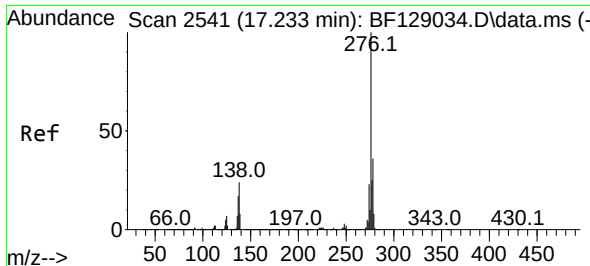
Delta R.T. -0.006 min

Lab File: BF129124.D

Acq: 05 Jul 2022 15:21

Tgt Ion:264 Resp: 760574
 Ion Ratio Lower Upper
 264 100
 260 24.1 18.4 27.6
 265 22.9 17.2 25.8





#87
Indeno(1,2,3-cd)pyrene
Concen: 4.249 ng
RT: 17.221 min Scan# 2198
Delta R.T. -0.012 min
Lab File: BF129124.D
Acq: 05 Jul 2022 15:21

Instrument :

BNA_F

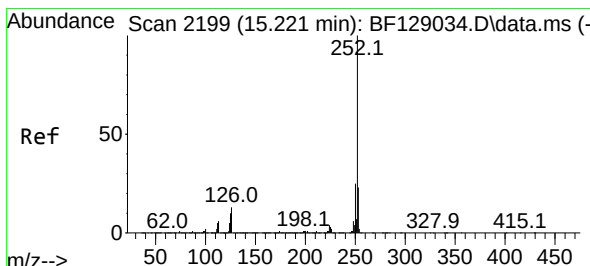
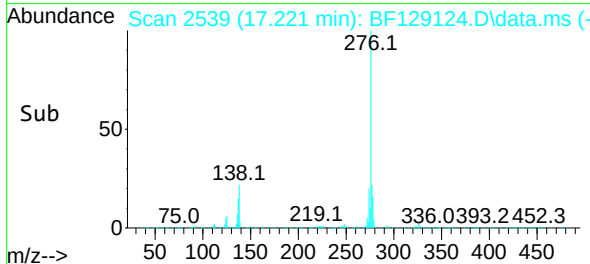
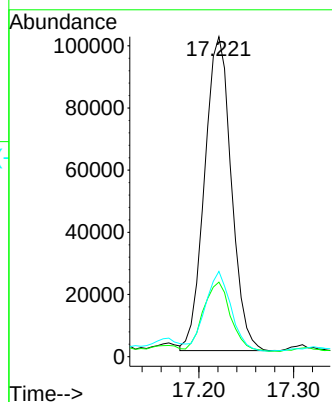
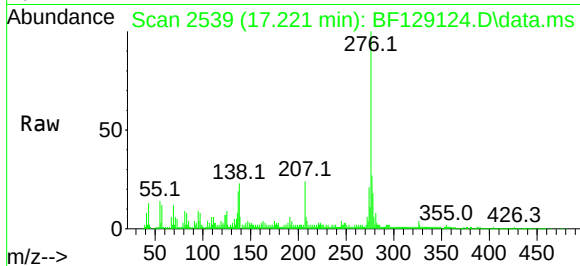
ClientSampleId :

OR-02-063022DL

Tgt Ion:276 Resp: 19822
Ion Ratio Lower Upper
276 100
138 22.6 21.1 31.7
277 24.3 20.3 30.5

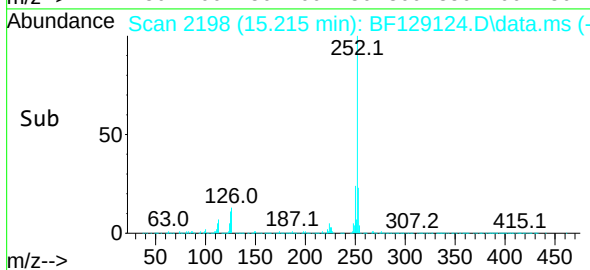
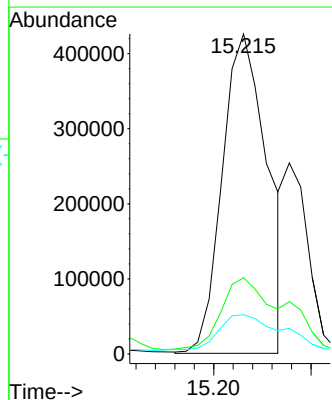
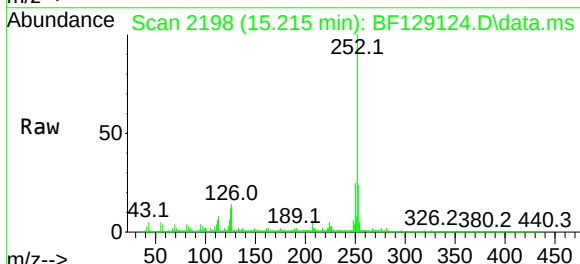
Manual Integrations
APPROVED

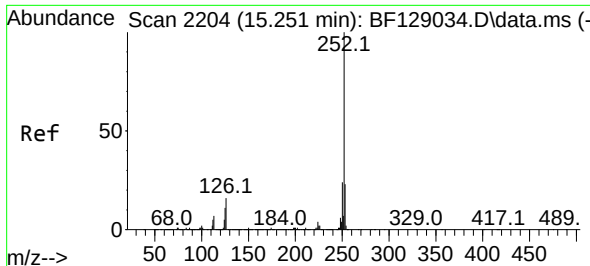
Reviewed By :Christian Giraldo 07/06/2022
Supervised By :Jagrut Upadhyay 07/06/2022



#88
Benzo(b)fluoranthene
Concen: 14.946 ng m
RT: 15.215 min Scan# 2198
Delta R.T. -0.006 min
Lab File: BF129124.D
Acq: 05 Jul 2022 15:21

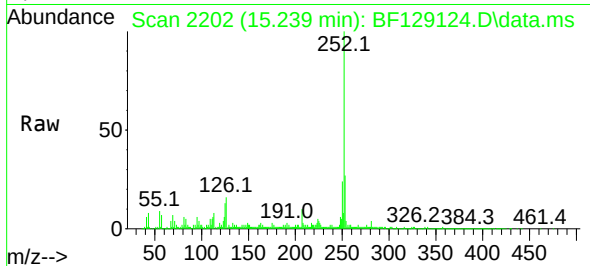
Tgt Ion:252 Resp: 683650
Ion Ratio Lower Upper
252 100
253 23.8 17.7 26.5
125 12.3 8.0 12.0#





#89
Benzo(k)fluoranthene
Concen: 4.950 ng m
RT: 15.239 min Scan# 21958
Delta R.T. -0.012 min
Lab File: BF129124.D
Acq: 05 Jul 2022 15:21

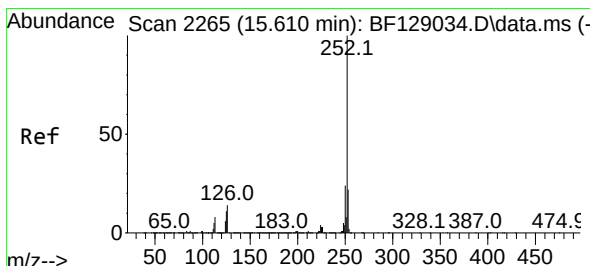
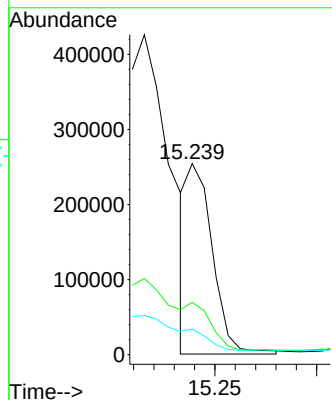
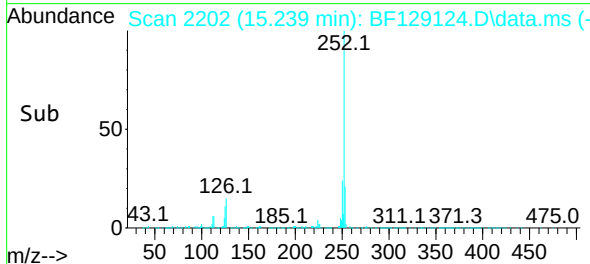
Instrument :
BNA_F
ClientSampleId :
OR-02-063022DL



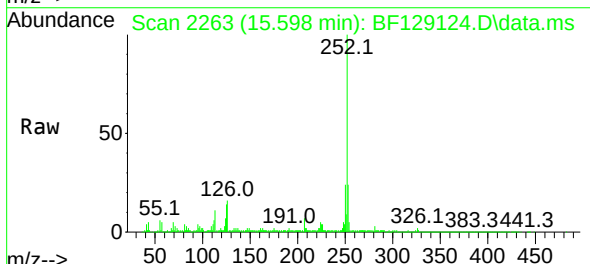
Tgt Ion:252 Resp: 21958
Ion Ratio Lower Upper
252 100
253 27.4 17.8 26.6
125 13.4 8.3 12.5

Manual Integrations
APPROVED

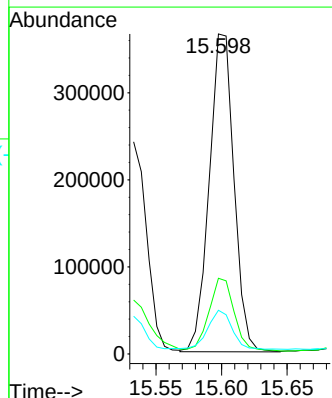
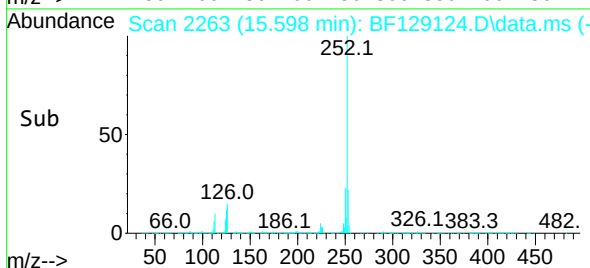
Reviewed By :Christian Giraldo 07/06/2022
Supervised By :Jagrut Upadhyay 07/06/2022

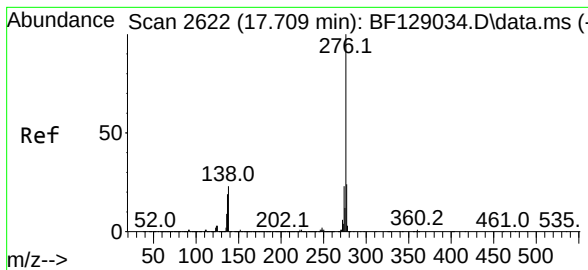


#90
Benzo(a)pyrene
Concen: 12.846 ng
RT: 15.598 min Scan# 2263
Delta R.T. -0.012 min
Lab File: BF129124.D
Acq: 05 Jul 2022 15:21



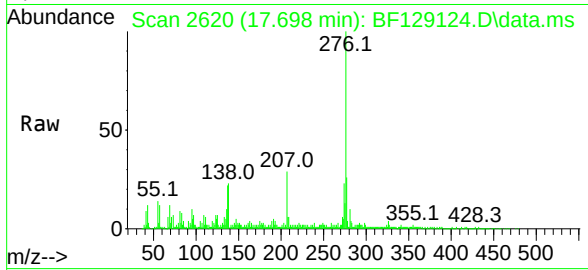
Tgt Ion:252 Resp: 479022
Ion Ratio Lower Upper
252 100
253 23.7 17.0 25.6
125 13.6 8.8 13.2





#92
 Benzo(g,h,i)perylene
 Concen: 4.866 ng
 RT: 17.698 min Scan# 2620
 Delta R.T. -0.012 min
 Lab File: BF129124.D
 Acq: 05 Jul 2022 15:21

Instrument :
 BNA_F
 ClientSampleId :
 OR-02-063022DL



Tgt Ion: 276 Resp: 185659
 Ion Ratio Lower Upper
 276 100
 277 25.8 19.1 28.7
 138 23.2 18.0 27.0

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 07/06/2022
 Supervised By : Jagrut Upadhyay 07/06/2022

