

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070122\
 Data File : BF129112.D
 Acq On : 02 Jul 2022 01:30
 Operator : CG\JU
 Sample : N3562-11 2X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-12A

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 07/05/2022
 Supervised By : Jagrut Upadhyay 07/05/2022

Quant Time: Jul 02 02:49:59 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	384814	20.000	ng	0.00
21) Naphthalene-d8	8.239	136	1407008	20.000	ng	0.00
39) Acenaphthene-d10	9.998	164	683087	20.000	ng	0.00
64) Phenanthrene-d10	11.492	188	1072717	20.000	ng	# 0.00
76) Chrysene-d12	14.145	240	726438	20.000	ng	0.00
86) Perylene-d12	15.674	264	617303	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.575	112	1209992	53.160	ng	-0.01
7) Phenol-d6	6.575	99	1477497	52.265	ng	-0.01
23) Nitrobenzene-d5	7.516	82	884591	37.500	ng	-0.01
42) 2,4,6-Tribromophenol	10.792	330	334524	45.038	ng	0.00
45) 2-Fluorobiphenyl	9.316	172	1743739	40.838	ng	0.00
79) Terphenyl-d14	13.080	244	1466092	41.910	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.516	178	877810	17.127	ng	99
72) Anthracene	11.569	178	155614	3.079	ng	99
75) Fluoranthene	12.710	202	994028	18.545	ng	98
78) Pyrene	12.939	202	791257	15.714	ng	97
81) Benzo(a)anthracene	14.133	228	361518	8.151	ng	98
83) Chrysene	14.168	228	290281	7.050	ng	97
87) Indeno(1,2,3-cd)pyrene	17.227	276	118612	3.133	ng	99
88) Benzo(b)fluoranthene	15.215	252	327077m	8.810	ng	
89) Benzo(k)fluoranthene	15.239	252	107355m	2.981	ng	
90) Benzo(a)pyrene	15.604	252	222555	7.354	ng	# 91
92) Benzo(g,h,i)perylene	17.703	276	110177	3.558	ng	97

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

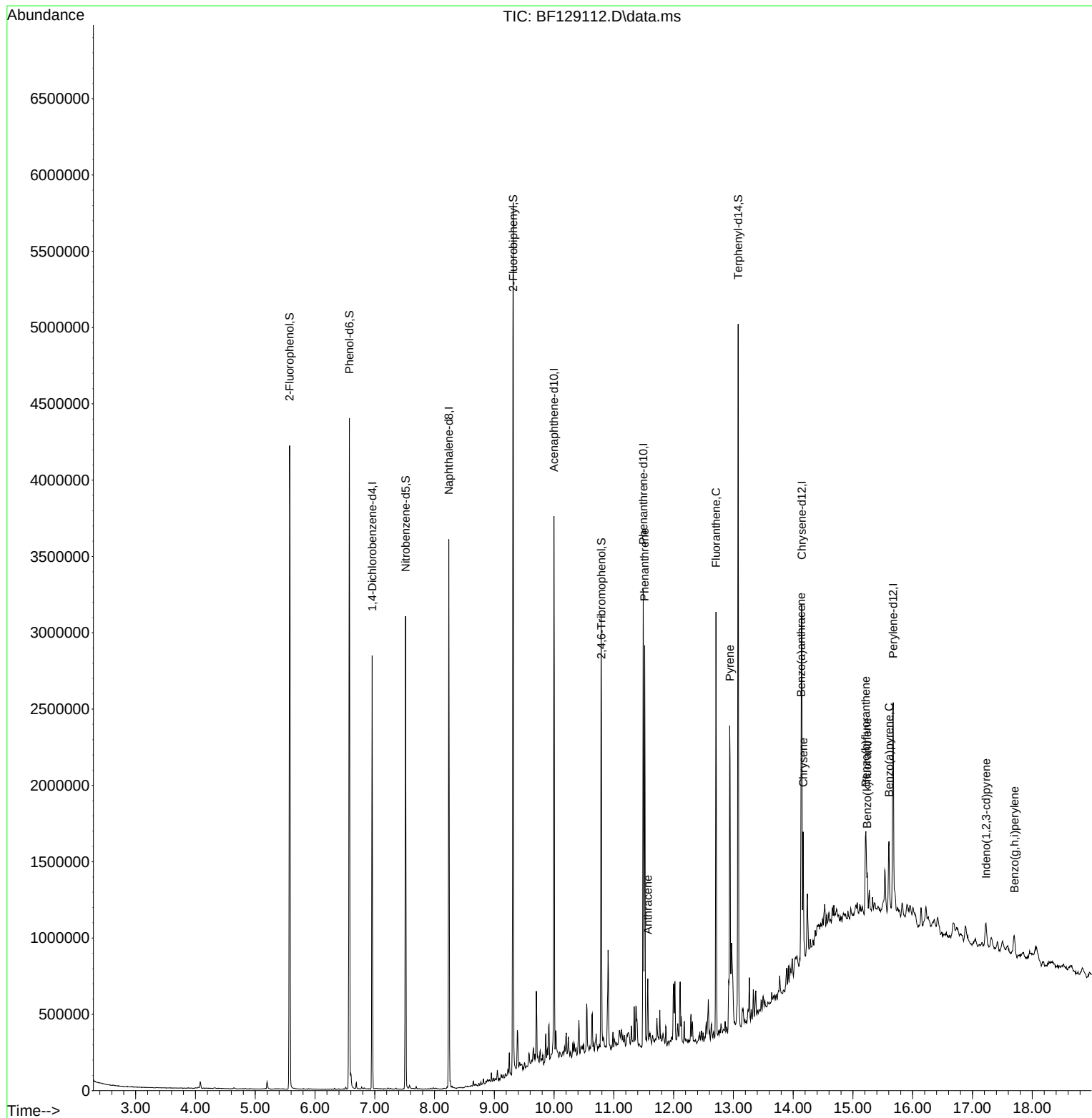
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070122\
Data File : BF129112.D
Acq On : 02 Jul 2022 01:30
Operator : CG\JU
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Misc :
ALS Vial : 22 Sample Multiplier: 1

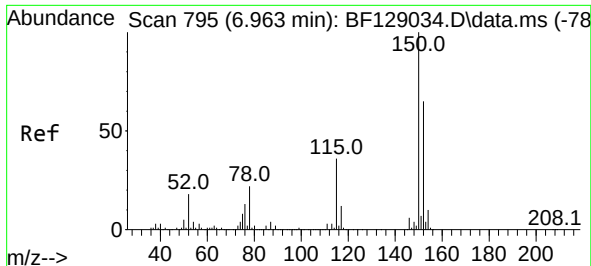
Instrument :
BNA_F
ClientSampleId :
SB-12A

Quant Time: Jul 02 02:49:59 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

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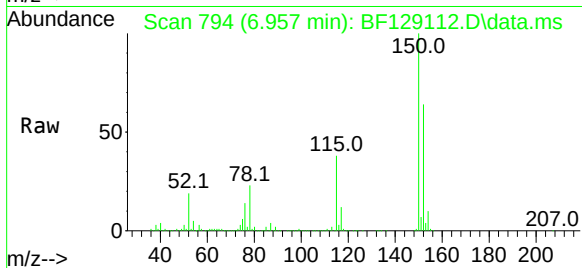
Reviewed By : Christian Giraldo 07/05/2022
Supervised By : Jagrut Upadhyay 07/05/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.957 min Scan# 795
Delta R.T. -0.006 min
Lab File: BF129112.D
Acq: 02 Jul 2022 01:30

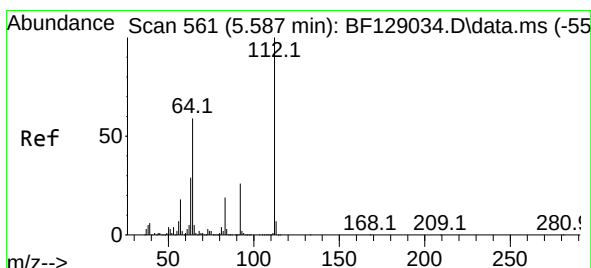
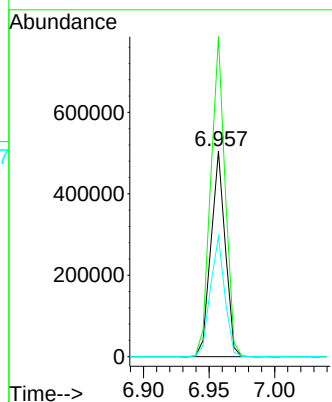
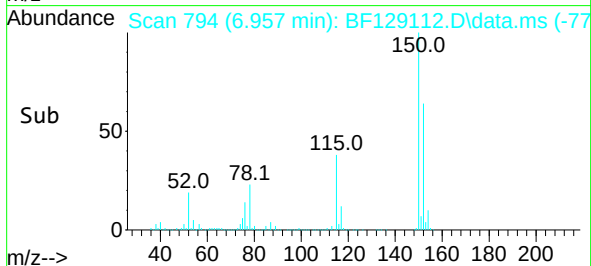
Instrument :
BNA_F
ClientSampleId :
SB-12A



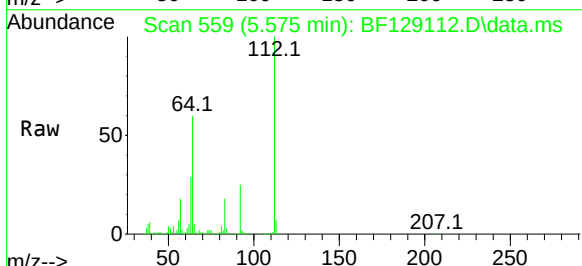
Tgt Ion:152 Resp: 384814
Ion Ratio Lower Upper
152 100
150 155.5 123.7 185.5
115 58.5 49.9 74.9

Manual Integrations
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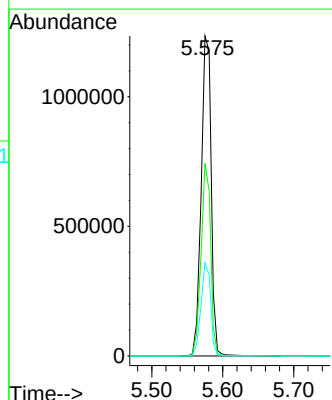
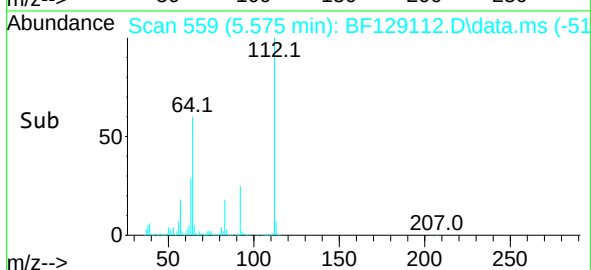
Reviewed By :Christian Giraldo 07/05/2022
Supervised By :Jagrut Upadhyay 07/05/2022

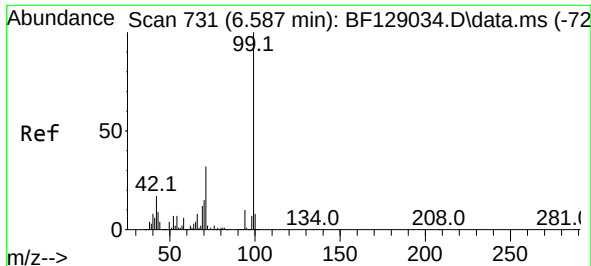


#5
2-Fluorophenol
Concen: 53.160 ng
RT: 5.575 min Scan# 559
Delta R.T. -0.012 min
Lab File: BF129112.D
Acq: 02 Jul 2022 01:30



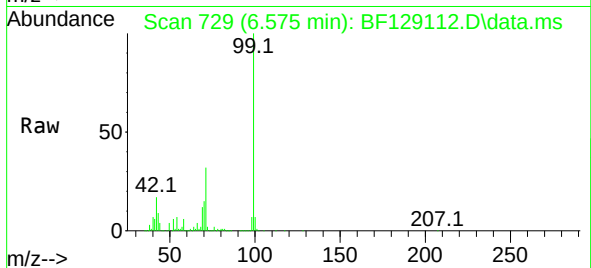
Tgt Ion:112 Resp: 1209992
Ion Ratio Lower Upper
112 100
64 60.2 53.3 79.9
63 29.1 28.0 42.0





#7
Phenol-d6
Concen: 52.265 ng
RT: 6.575 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF129112.D
Acq: 02 Jul 2022 01:30

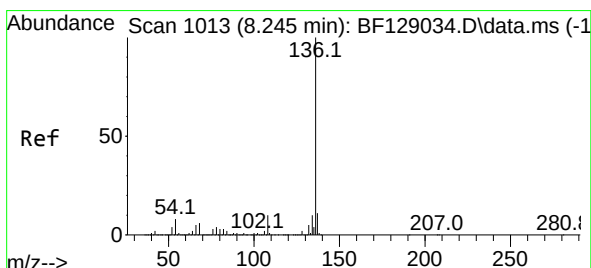
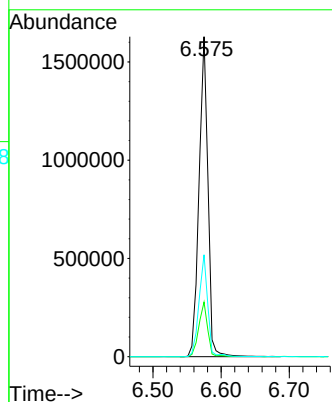
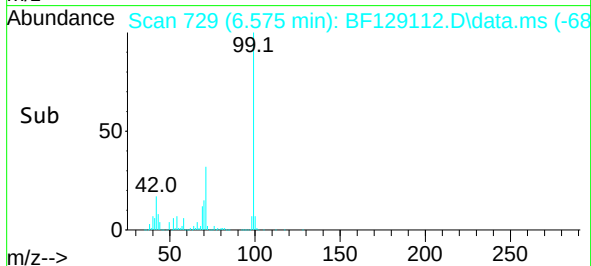
Instrument :
BNA_F
ClientSampleId :
SB-12A



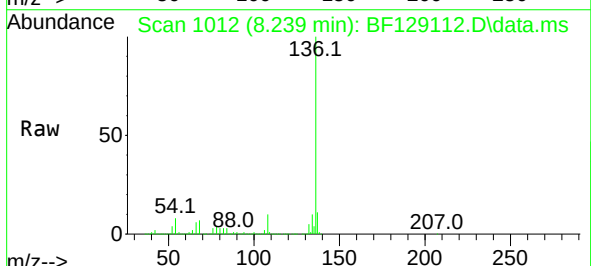
Tgt Ion: 99 Resp: 147749
Ion Ratio Lower Upper
99 100
42 17.0 17.3 25.9
71 31.9 28.9 43.3

Manual Integrations
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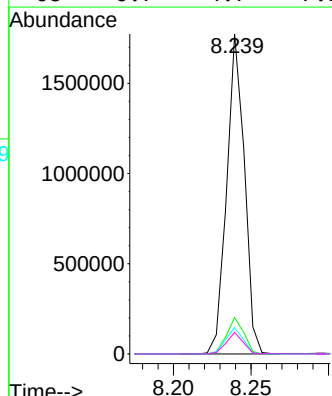
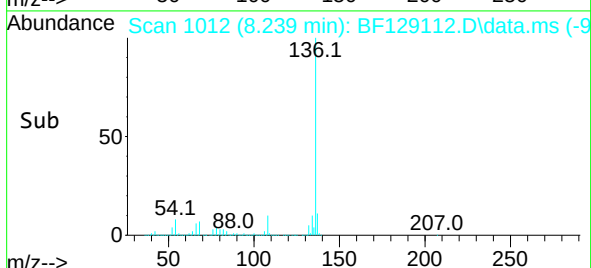
Reviewed By :Christian Giraldo 07/05/2022
Supervised By :Jagrut Upadhyay 07/05/2022

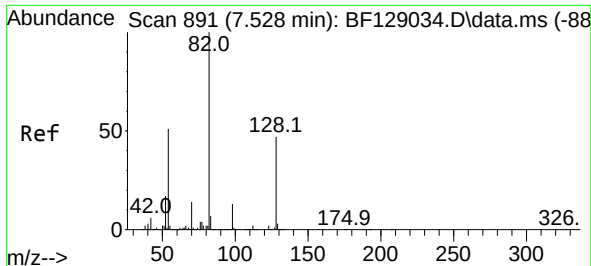


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.239 min Scan# 1012
Delta R.T. -0.006 min
Lab File: BF129112.D
Acq: 02 Jul 2022 01:30



Tgt Ion:136 Resp: 1407008
Ion Ratio Lower Upper
136 100
137 11.3 8.8 13.2
54 8.3 7.5 11.3
68 6.7 4.7 7.1





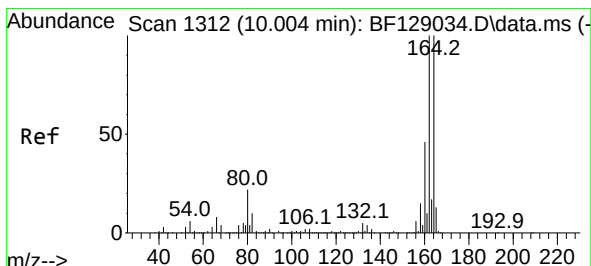
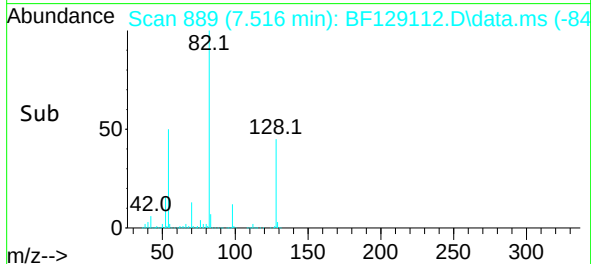
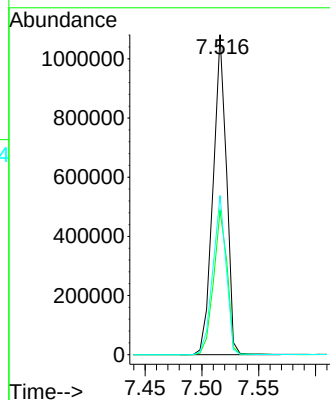
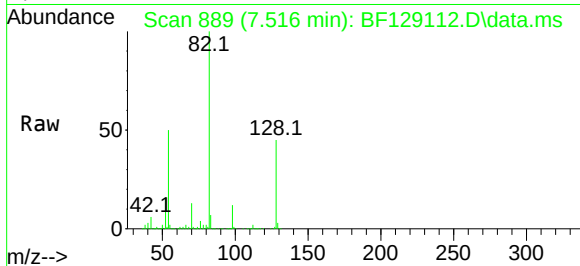
#23
Nitrobenzene-d5
Concen: 37.500 ng
RT: 7.516 min Scan# 81
Delta R.T. -0.012 min
Lab File: BF129112.D
Acq: 02 Jul 2022 01:30

Instrument :
BNA_F
ClientSampleId :
SB-12A

Tgt Ion: 82 Resp: 88459
Ion Ratio Lower Upper
82 100
128 45.1 34.0 51.0
54 49.7 46.9 70.3

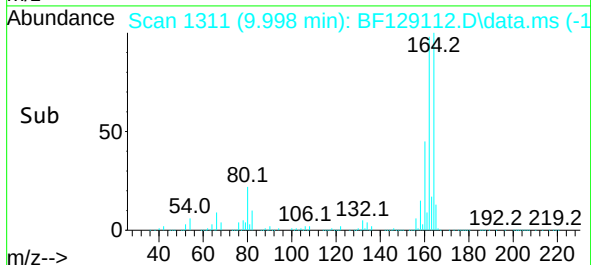
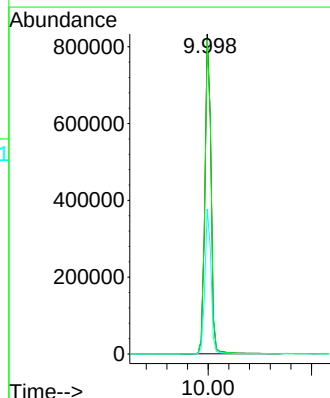
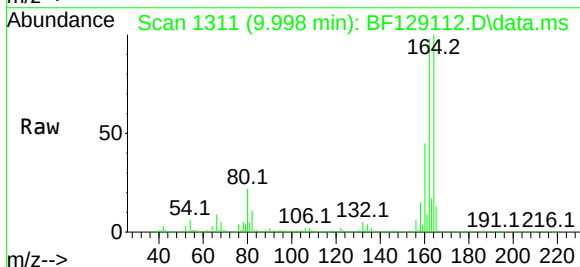
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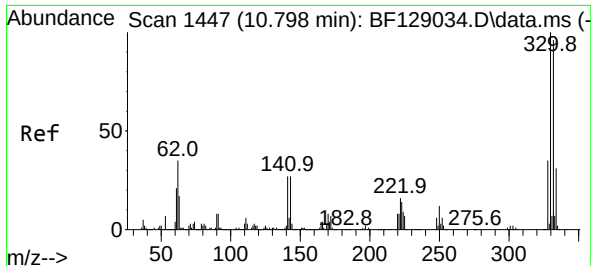
Reviewed By :Christian Giraldo 07/05/2022
Supervised By :Jagrut Upadhyay 07/05/2022



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.998 min Scan# 1311
Delta R.T. -0.006 min
Lab File: BF129112.D
Acq: 02 Jul 2022 01:30

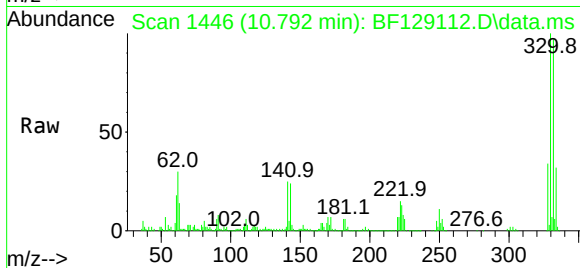
Tgt Ion:164 Resp: 683087
Ion Ratio Lower Upper
164 100
162 98.2 79.5 119.3
160 45.3 34.2 51.4





#42
2,4,6-Tribromophenol
Concen: 45.038 ng
RT: 10.792 min Scan# 1447
Delta R.T. -0.006 min
Lab File: BF129112.D
Acq: 02 Jul 2022 01:30

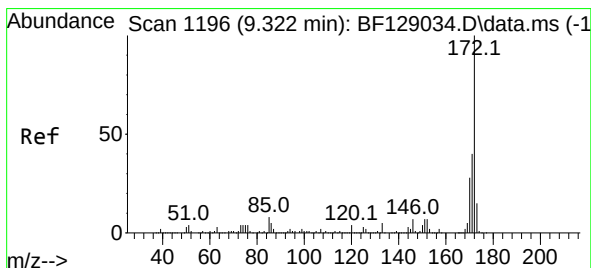
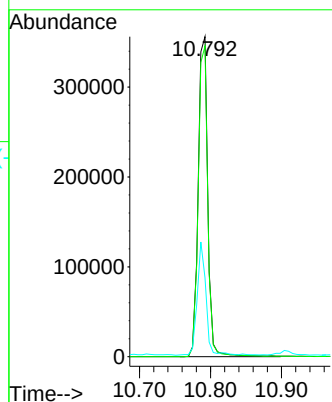
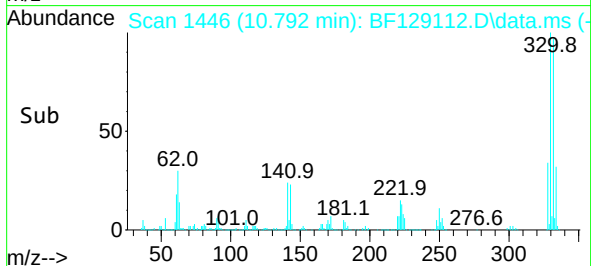
Instrument :
BNA_F
ClientSampleId :
SB-12A



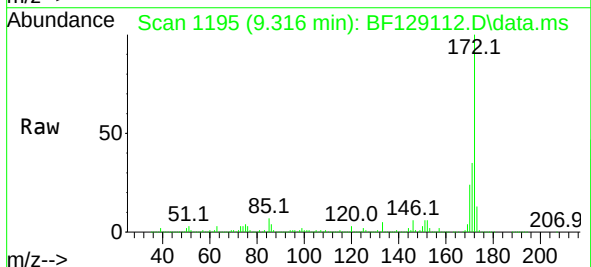
Tgt Ion:330 Resp: 334524
Ion Ratio Lower Upper
330 100
332 96.5 76.8 115.2
141 32.1 28.0 42.0

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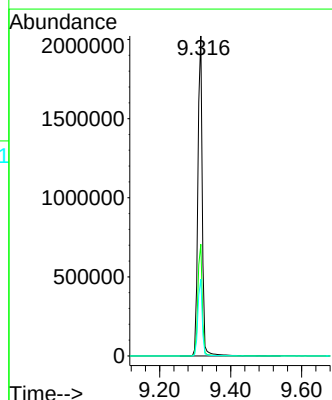
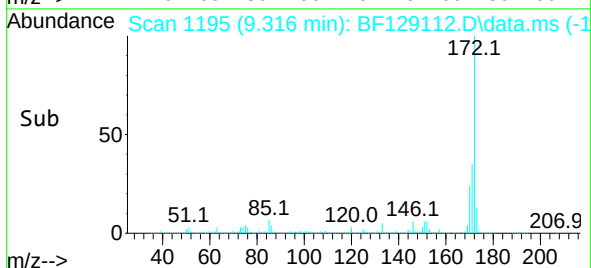
Reviewed By :Christian Giraldo 07/05/2022
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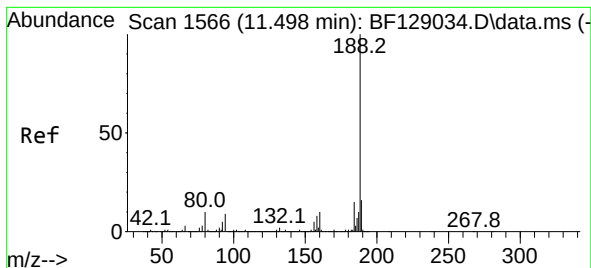


#45
2-Fluorobiphenyl
Concen: 40.838 ng
RT: 9.316 min Scan# 1195
Delta R.T. -0.006 min
Lab File: BF129112.D
Acq: 02 Jul 2022 01:30



Tgt Ion:172 Resp: 1743739
Ion Ratio Lower Upper
172 100
171 34.9 28.8 43.2
170 24.0 19.8 29.8





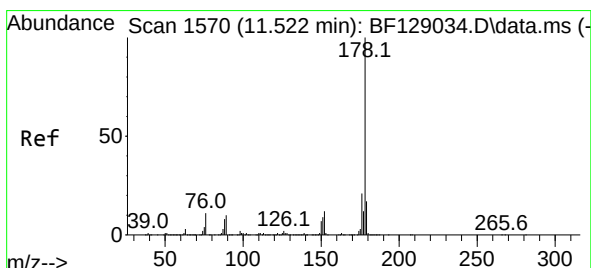
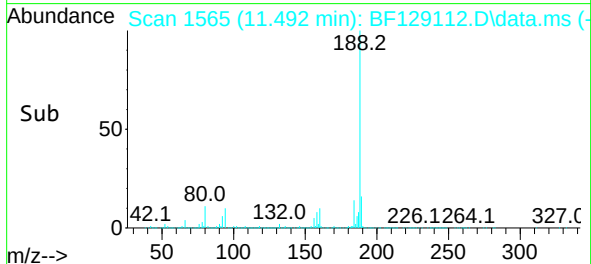
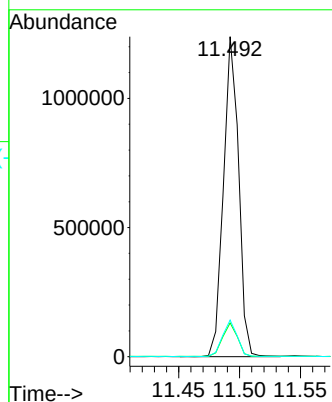
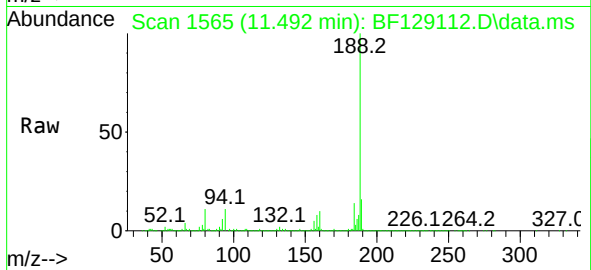
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.492 min Scan# 1565
Delta R.T. -0.006 min
Lab File: BF129112.D
Acq: 02 Jul 2022 01:30

Instrument :
BNA_F
ClientSampleId :
SB-12A

Tgt Ion:188 Resp: 107271
Ion Ratio Lower Upper
188 100
94 10.5 7.0 10.6
80 11.5 7.6 11.4

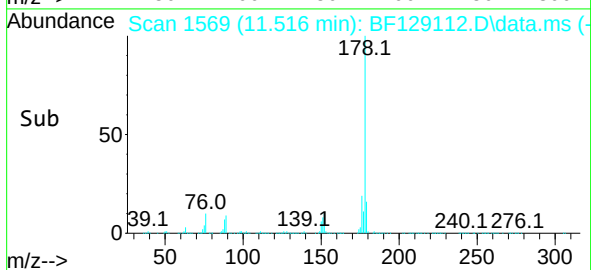
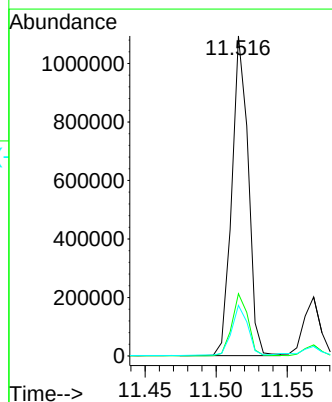
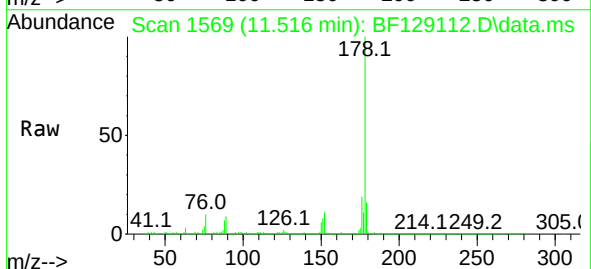
Manual Integrations
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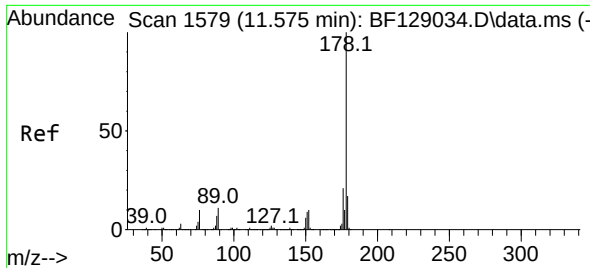
Reviewed By :Christian Giraldo 07/05/2022
Supervised By :Jagrut Upadhyay 07/05/2022



#71
Phenanthrene
Concen: 17.127 ng
RT: 11.516 min Scan# 1569
Delta R.T. -0.006 min
Lab File: BF129112.D
Acq: 02 Jul 2022 01:30

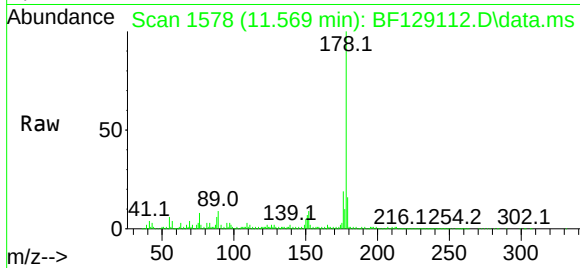
Tgt Ion:178 Resp: 877810
Ion Ratio Lower Upper
178 100
176 19.5 16.0 24.0
179 15.8 12.6 19.0





#72
 Anthracene
 Concen: 3.079 ng
 RT: 11.569 min Scan# 1156
 Delta R.T. -0.006 min
 Lab File: BF129112.D
 Acq: 02 Jul 2022 01:30

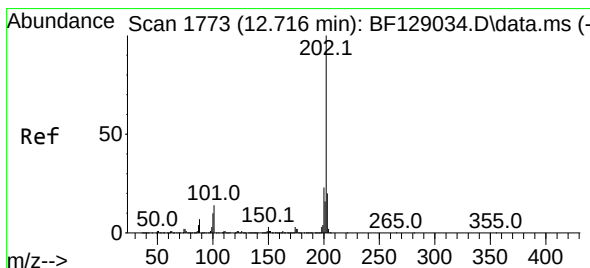
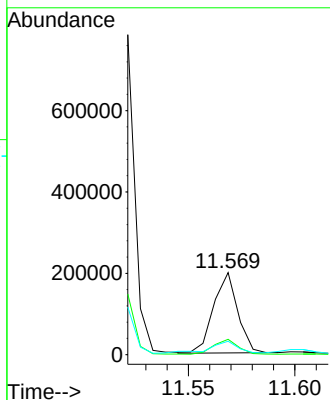
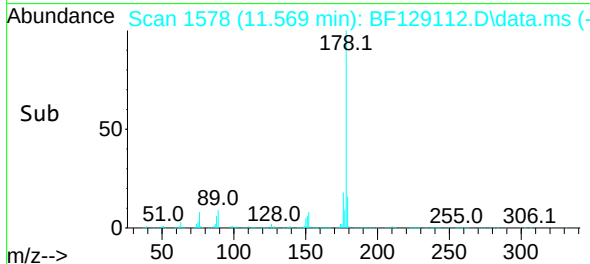
Instrument :
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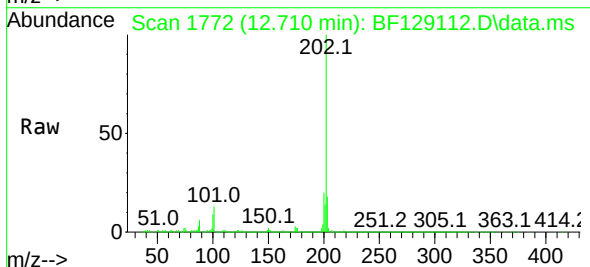
Tgt Ion:178 Resp: 155614
 Ion Ratio Lower Upper
 178 100
 176 18.7 15.4 23.2
 179 16.3 12.6 19.0

Manual Integrations
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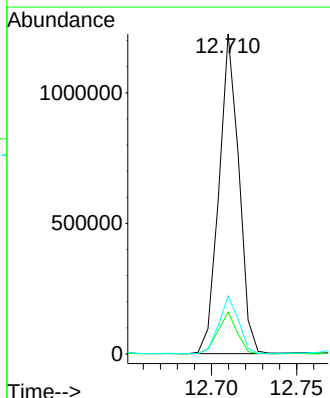
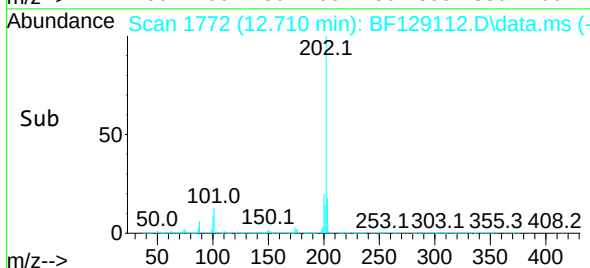
Reviewed By :Christian Giraldo 07/05/2022
 Supervised By :Jagrut Upadhyay 07/05/2022

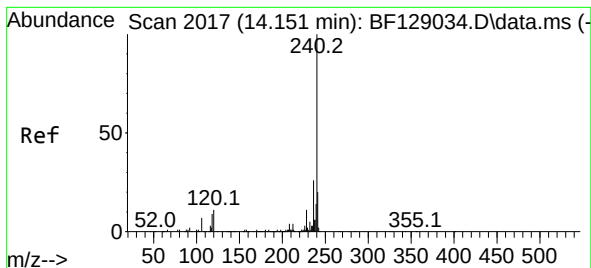


#75
 Fluoranthene
 Concen: 18.545 ng
 RT: 12.710 min Scan# 1772
 Delta R.T. -0.006 min
 Lab File: BF129112.D
 Acq: 02 Jul 2022 01:30



Tgt Ion:202 Resp: 994028
 Ion Ratio Lower Upper
 202 100
 101 13.0 0.0 31.4
 203 18.1 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: BF129112.D

Acq: 02 Jul 2022 01:30

Instrument :

BNA_F

ClientSampleId :

SB-12A

Tgt Ion:240 Resp: 726438

Ion Ratio Lower Upper

240 100

120 11.7 8.9 13.3

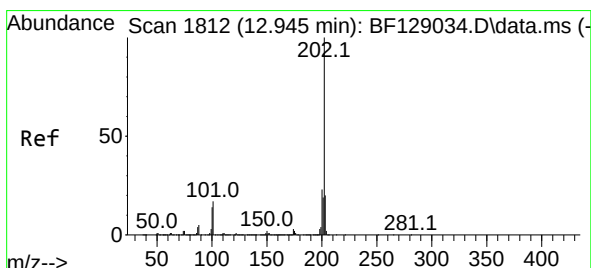
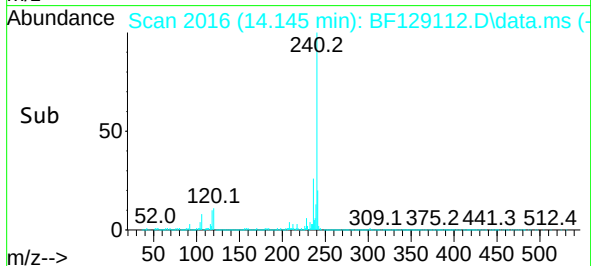
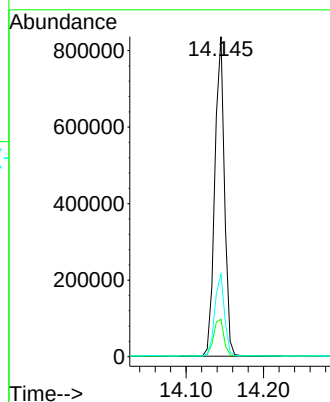
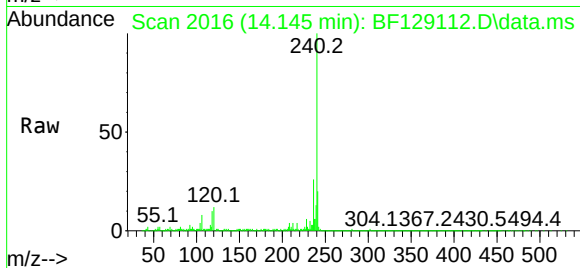
236 25.9 20.8 31.2

Manual Integrations

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Reviewed By :Christian Giraldo 07/05/2022

Supervised By :Jagrut Upadhyay 07/05/2022



#78

Pyrene

Concen: 15.714 ng

RT: 12.939 min Scan# 1811

Delta R.T. -0.006 min

Lab File: BF129112.D

Acq: 02 Jul 2022 01:30

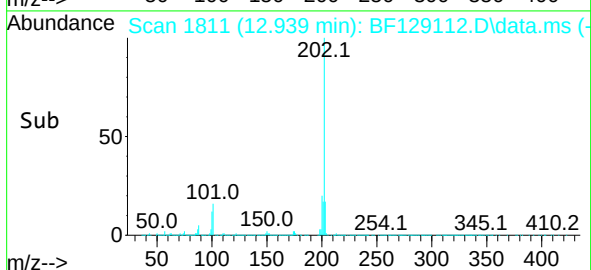
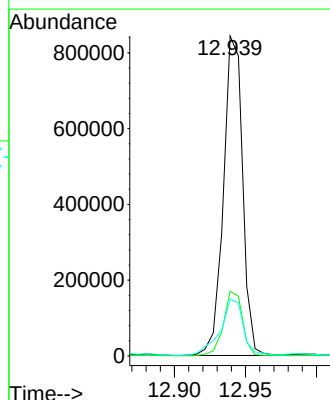
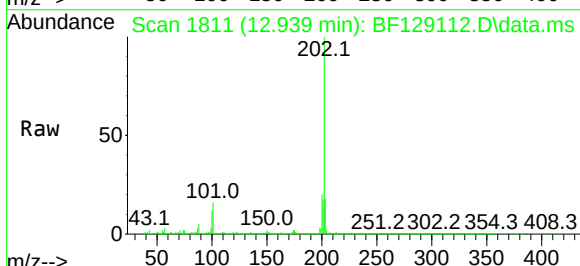
Tgt Ion:202 Resp: 791257

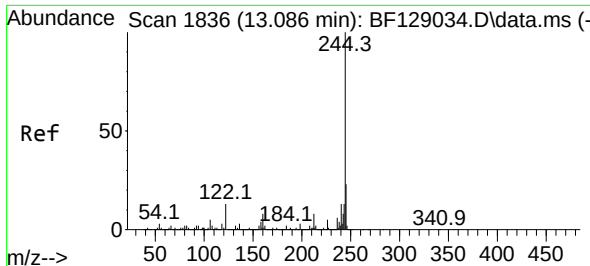
Ion Ratio Lower Upper

202 100

200 20.2 17.7 26.5

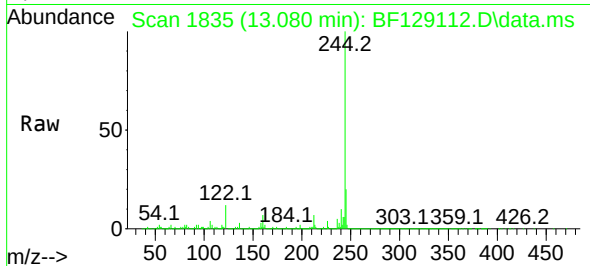
203 17.8 14.6 21.8





#79
 Terphenyl-d14
 Concen: 41.910 ng
 RT: 13.080 min Scan# 1836
 Delta R.T. -0.006 min
 Lab File: BF129112.D
 Acq: 02 Jul 2022 01:30

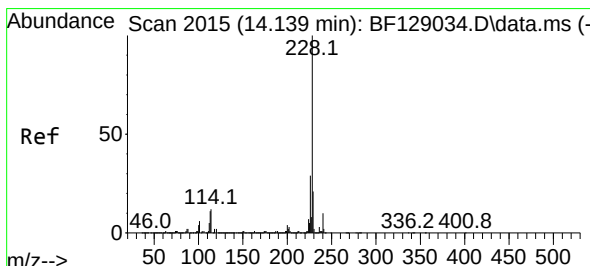
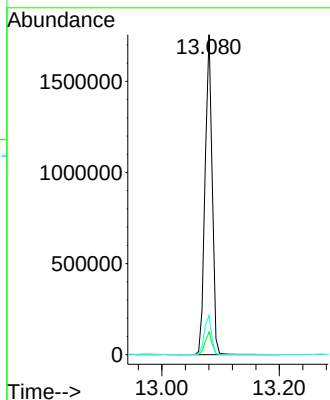
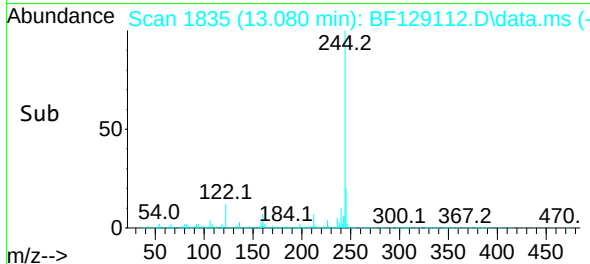
Instrument :
 BNA_F
 ClientSampleId :
 SB-12A



Tgt Ion:244 Resp: 1466092
 Ion Ratio Lower Upper
 244 100
 212 7.1 6.1 9.1
 122 12.3 8.8 13.2

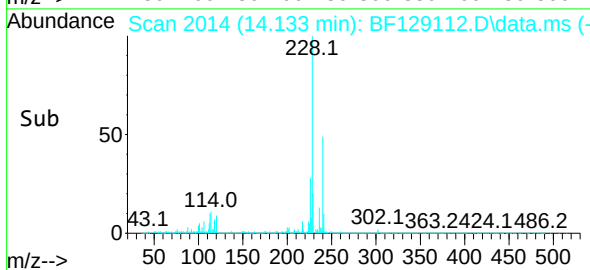
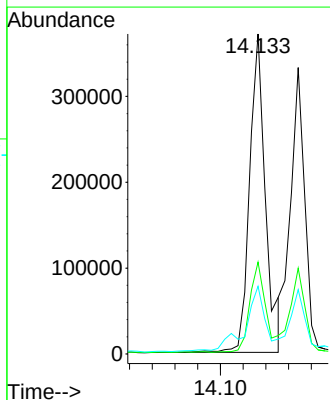
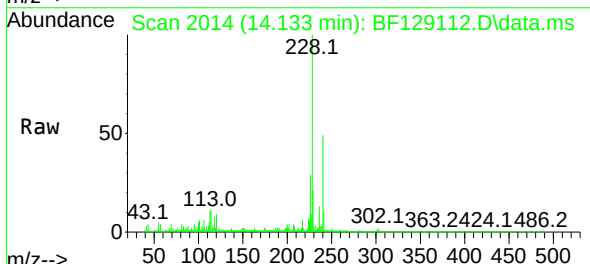
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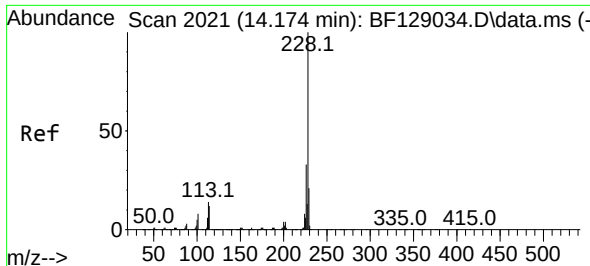
Reviewed By :Christian Giraldo 07/05/2022
 Supervised By :Jagrut Upadhyay 07/05/2022



#81
 Benzo(a)anthracene
 Concen: 8.151 ng
 RT: 14.133 min Scan# 2014
 Delta R.T. -0.006 min
 Lab File: BF129112.D
 Acq: 02 Jul 2022 01:30

Tgt Ion:228 Resp: 361518
 Ion Ratio Lower Upper
 228 100
 226 28.7 22.1 33.1
 229 21.1 15.8 23.8





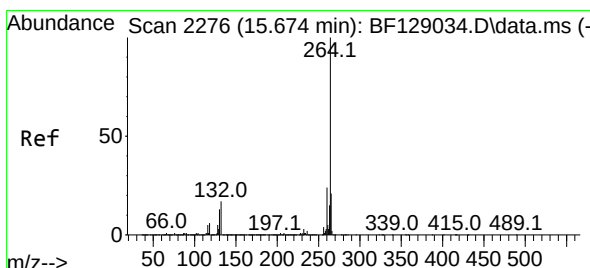
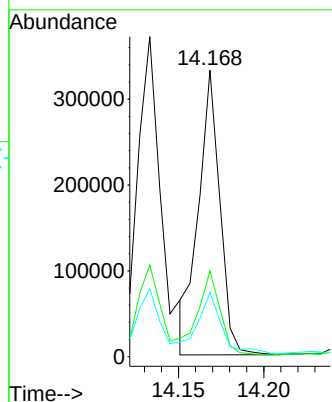
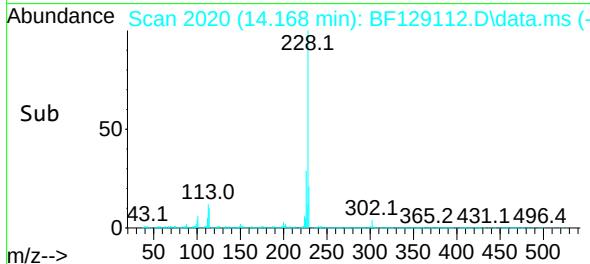
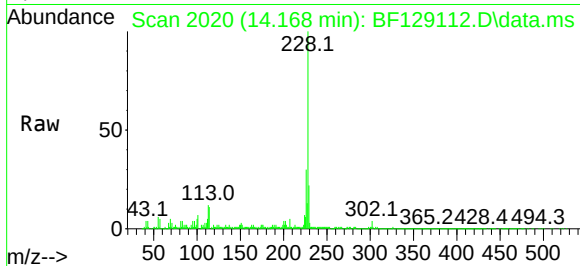
#83
Chrysene
Concen: 7.050 ng
RT: 14.168 min Scan# 2021
Delta R.T. -0.006 min
Lab File: BF129112.D
Acq: 02 Jul 2022 01:30

Instrument :
BNA_F
ClientSampleId :
SB-12A

Tgt Ion:228 Resp: 29028
Ion Ratio Lower Upper
228 100
226 29.9 24.3 36.5
229 22.4 15.9 23.9

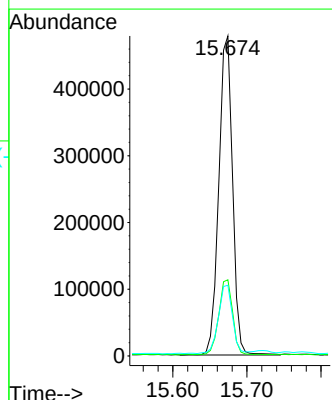
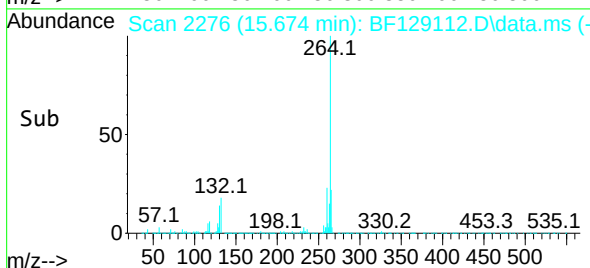
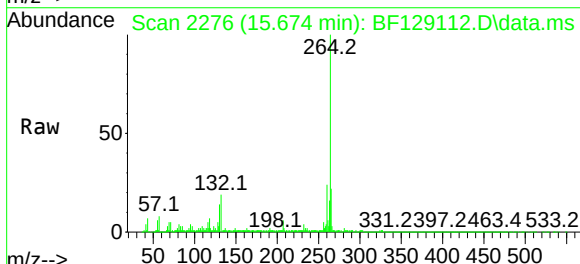
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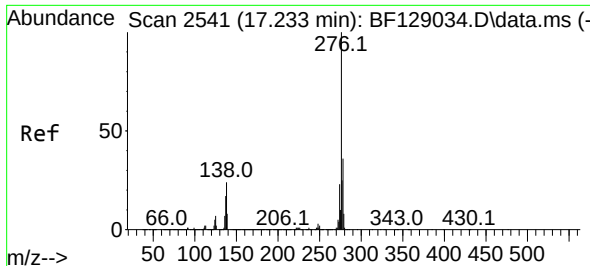
Reviewed By :Christian Giraldo 07/05/2022
Supervised By :Jagrut Upadhyay 07/05/2022



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.674 min Scan# 2276
Delta R.T. -0.000 min
Lab File: BF129112.D
Acq: 02 Jul 2022 01:30

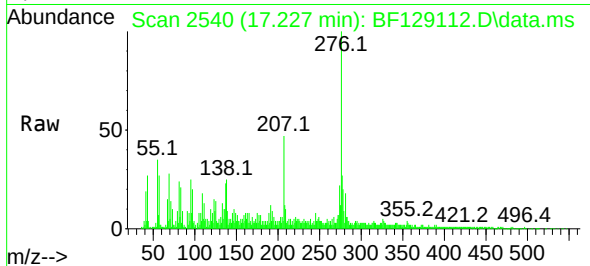
Tgt Ion:264 Resp: 617303
Ion Ratio Lower Upper
264 100
260 23.8 18.4 27.6
265 22.1 17.2 25.8





#87
Indeno(1,2,3-cd)pyrene
Concen: 3.133 ng
RT: 17.227 min Scan# 21861
Delta R.T. -0.006 min
Lab File: BF129112.D
Acq: 02 Jul 2022 01:30

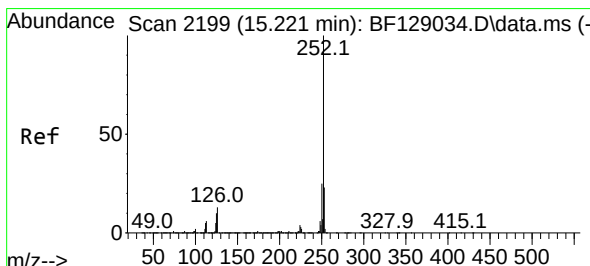
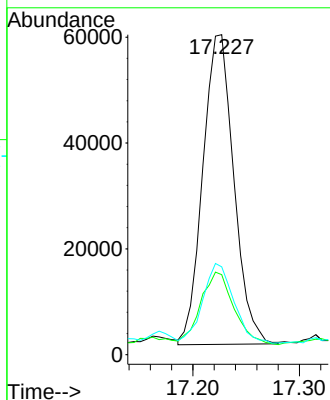
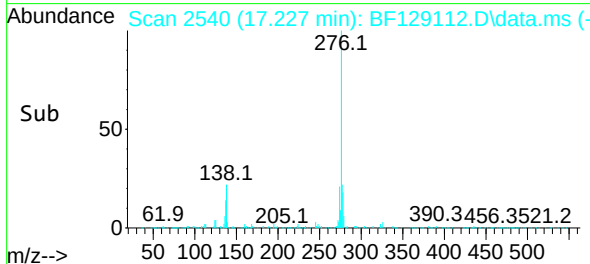
Instrument :
BNA_F
ClientSampleId :
SB-12A



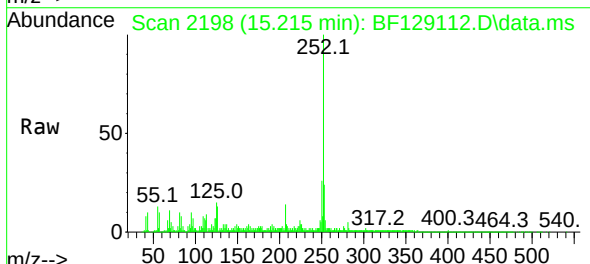
Tgt Ion: 276 Resp: 11861
Ion Ratio Lower Upper
276 100
138 25.1 21.1 31.7
277 25.4 20.3 30.5

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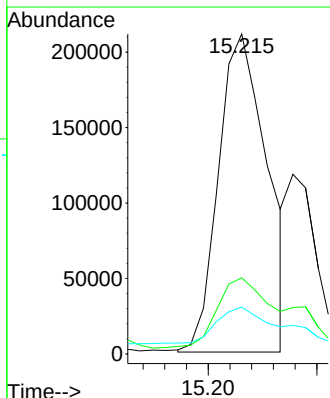
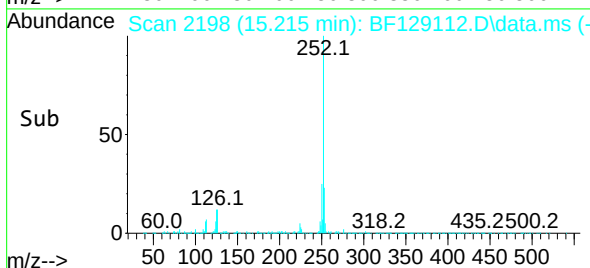
Reviewed By : Christian Giraldo 07/05/2022
Supervised By : Jagrut Upadhyay 07/05/2022

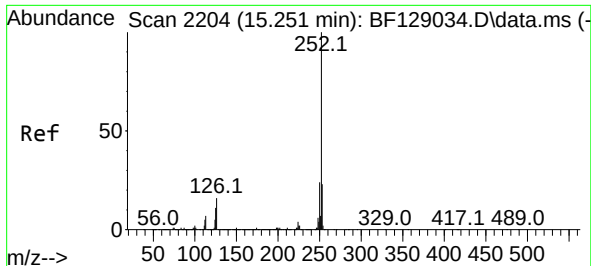


#88
Benzo(b)fluoranthene
Concen: 8.810 ng m
RT: 15.215 min Scan# 2198
Delta R.T. -0.006 min
Lab File: BF129112.D
Acq: 02 Jul 2022 01:30



Tgt Ion: 252 Resp: 327077
Ion Ratio Lower Upper
252 100
253 23.8 17.7 26.5
125 14.7 8.0 12.0#





#89

Benzo(k)fluoranthene

Concen: 2.981 ng m

RT: 15.239 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF129112.D

Acq: 02 Jul 2022 01:30

Instrument :

BNA_F

ClientSampleId :

SB-12A

Tgt Ion:252 Resp: 10735

Ion Ratio Lower Upper

252 100

253 25.8 17.8 26.6

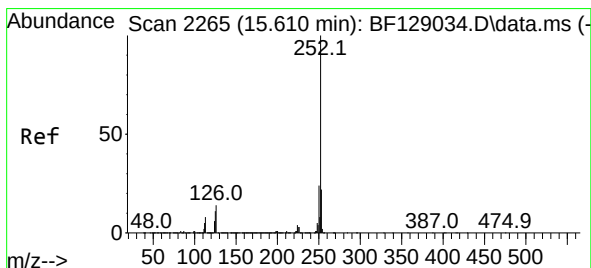
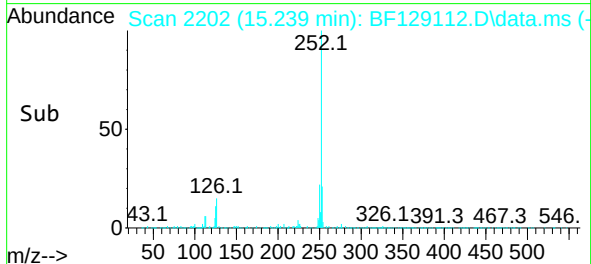
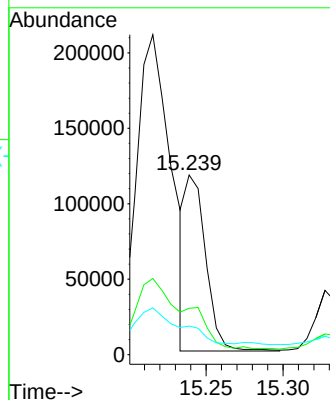
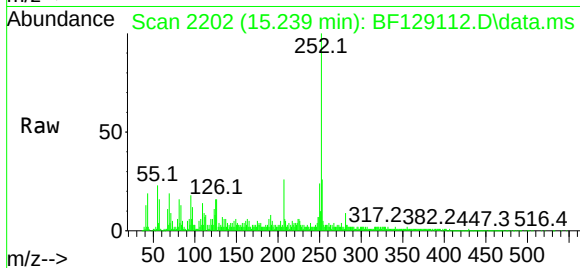
125 15.9 8.3 12.5

Manual Integrations

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Reviewed By :Christian Giraldo 07/05/2022

Supervised By :Jagrut Upadhyay 07/05/2022



#90

Benzo(a)pyrene

Concen: 7.354 ng

RT: 15.604 min Scan# 2264

Delta R.T. -0.006 min

Lab File: BF129112.D

Acq: 02 Jul 2022 01:30

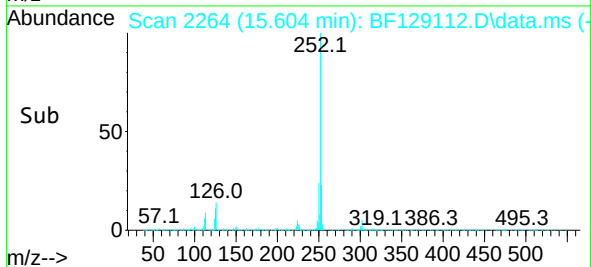
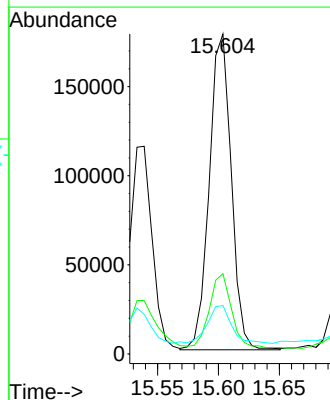
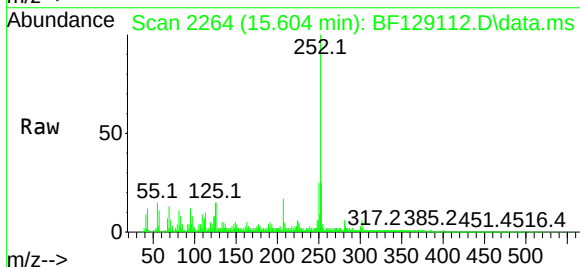
Tgt Ion:252 Resp: 222555

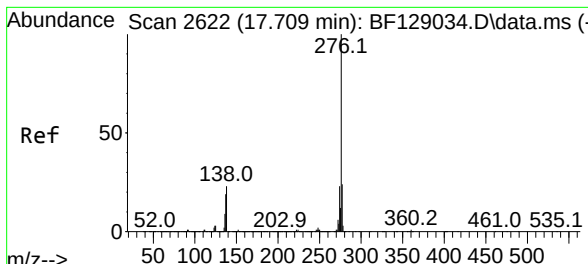
Ion Ratio Lower Upper

252 100

253 25.1 17.0 25.6

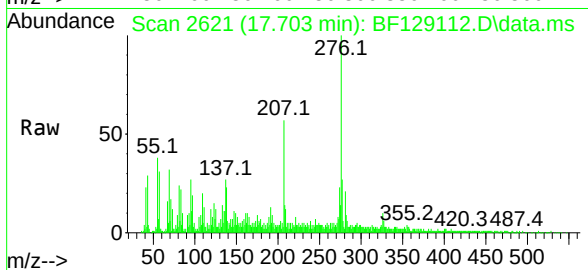
125 15.2 8.8 13.2#





#92
 Benzo(g,h,i)perylene
 Concen: 3.558 ng
 RT: 17.703 min Scan# 20
 Delta R.T. -0.006 min
 Lab File: BF129112.D
 Acq: 02 Jul 2022 01:30

Instrument :
 BNA_F
 ClientSampleId :
 SB-12A



Tgt Ion:	276	Resp:	11017
Ion Ratio	Lower	Upper	
276	100		
277	26.5	19.1	28.7
138	23.2	18.0	27.0

Manual Integrations
 APPROVED

Reviewed By :Christian Giraldo 07/05/2022
 Supervised By :Jagrut Upadhyay 07/05/2022

