

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081822\
 Data File : BF129899.D
 Acq On : 19 Aug 2022 03:38
 Operator : CG\JU
 Sample : N4228-01 10X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OK-03-081622

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 08/19/2022
 Supervised By : Jagrut Upadhyay 08/19/2022

Quant Time: Aug 19 03:57:15 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081422.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 18 12:03:10 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.793	152	146203	20.000	ng	0.00
21) Naphthalene-d8	8.075	136	540163	20.000	ng	0.00
39) Acenaphthene-d10	9.833	164	247738	20.000	ng	0.00
64) Phenanthrene-d10	11.322	188	360306	20.000	ng	0.00
76) Chrysene-d12	13.974	240	270133	20.000	ng	0.00
86) Perylene-d12	15.439	264	214858	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.434	112	55519	6.287	ng	0.00
7) Phenol-d6	6.451	99	67285	6.085	ng	0.00
23) Nitrobenzene-d5	7.357	82	42163	4.178	ng	-0.01
42) 2,4,6-Tribromophenol	10.628	330	12076	4.857	ng	0.00
45) 2-Fluorobiphenyl	9.145	172	80054	4.908	ng	0.00
79) Terphenyl-d14	12.904	244	70276	4.329	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.345	178	263250	13.082	ng	99
72) Anthracene	11.398	178	88019	4.398	ng	98
75) Fluoranthene	12.539	202	527796	25.632	ng	99
78) Pyrene	12.769	202	453479	19.318	ng	99
81) Benzo(a)anthracene	13.963	228	239709	12.900	ng	98
83) Chrysene	13.998	228	183324	10.539	ng	97
87) Indeno(1,2,3-cd)pyrene	16.909	276	94090	6.379	ng	96
88) Benzo(b)fluoranthene	15.015	252	266281m	18.099	ng	
89) Benzo(k)fluoranthene	15.039	252	62113m	4.402	ng	
90) Benzo(a)pyrene	15.380	252	173584	14.982	ng	99
92) Benzo(g,h,i)perylene	17.357	276	85276	7.023	ng	93

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

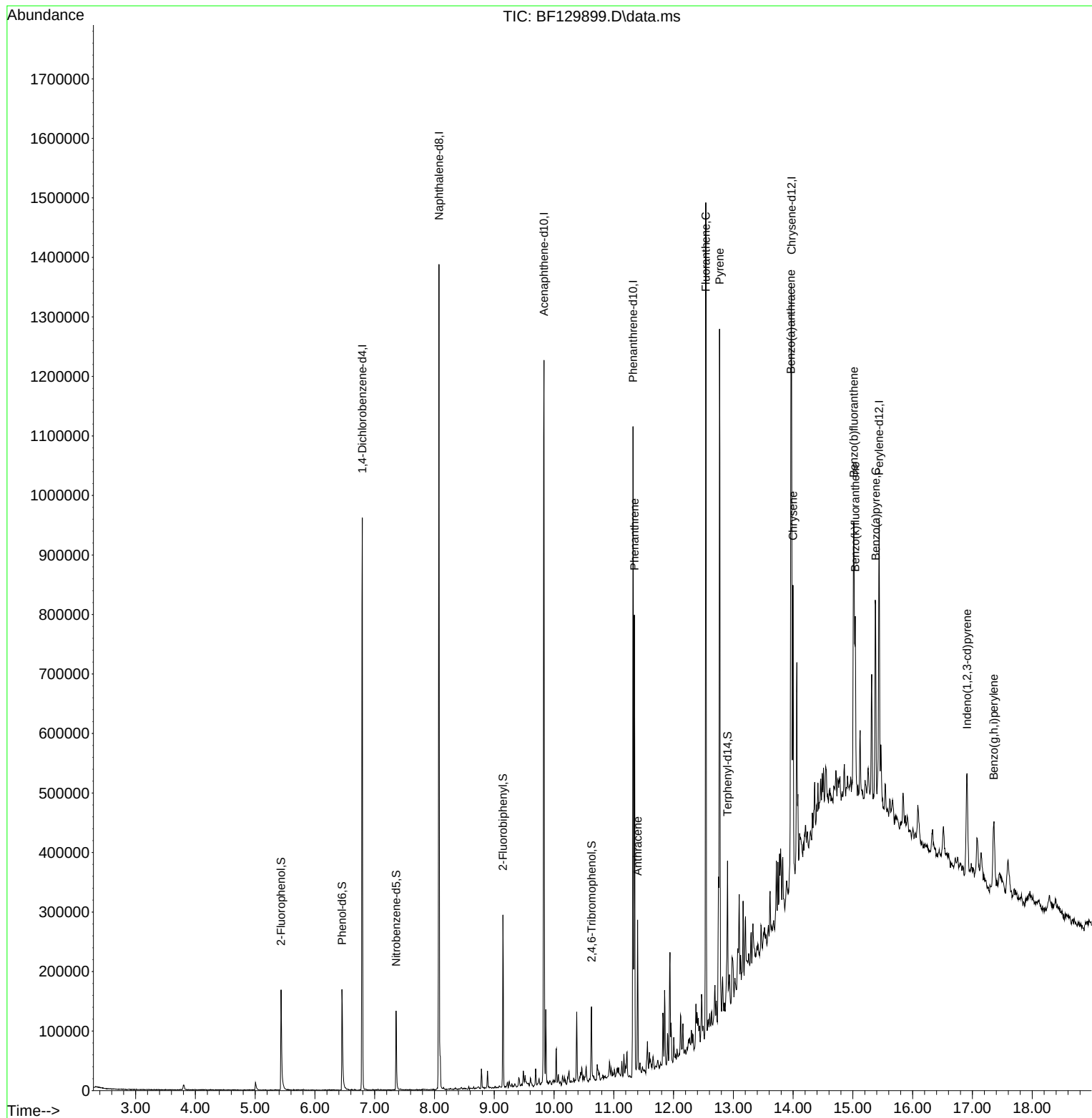
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081822\
Data File : BF129899.D
Acq On : 19 Aug 2022 03:38
Operator : CG\JU
Sample : N4228-01 10X
Misc :
ALS Vial : 22 Sample Multiplier: 1

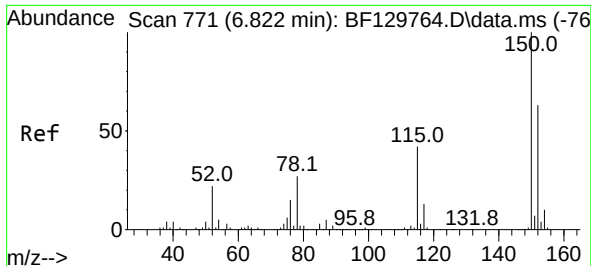
Instrument :
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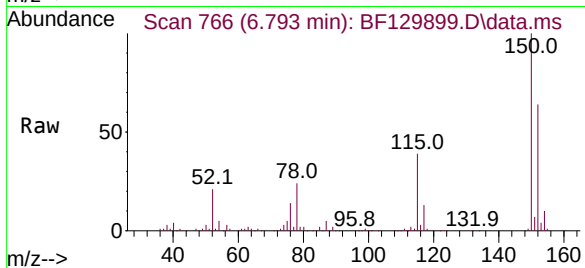
Quant Time: Aug 19 03:57:15 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081422.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 18 12:03:10 2022
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.793 min Scan# 70
Delta R.T. 0.001 min
Lab File: BF129899.D
Acq: 19 Aug 2022 03:38

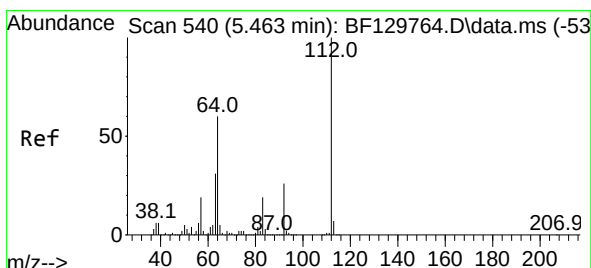
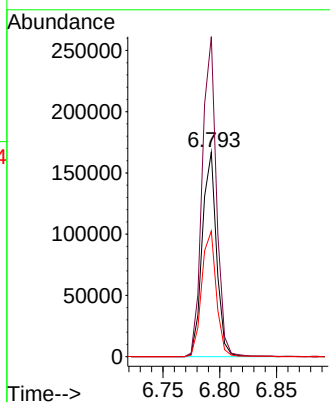
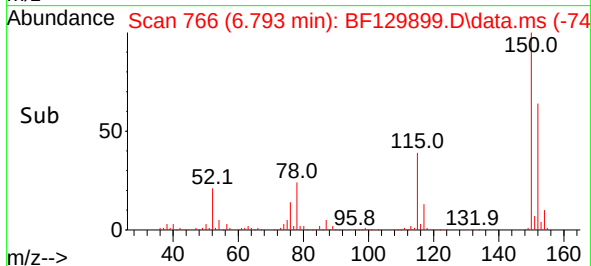
Instrument :
BNA_F
ClientSampleId :
OK-03-081622



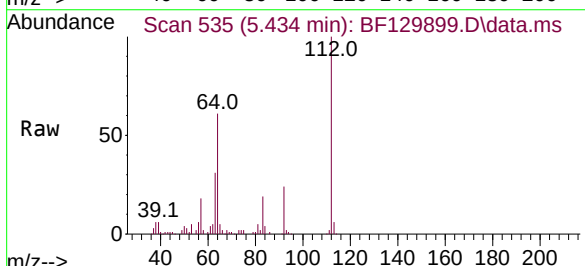
Tgt Ion:152 Resp: 146203
Ion Ratio Lower Upper
152 100
150 156.6 126.9 190.3
115 61.4 53.4 80.0

Manual Integrations
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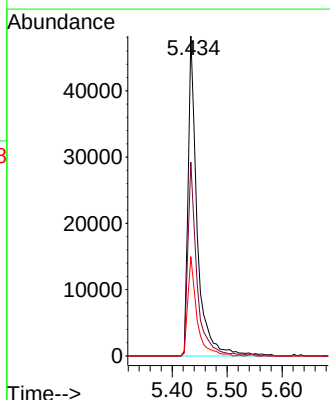
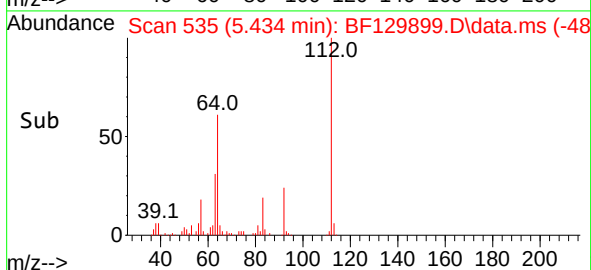
Reviewed By :Christian Giraldo 08/19/2022
Supervised By :Jagrut Upadhyay 08/19/2022

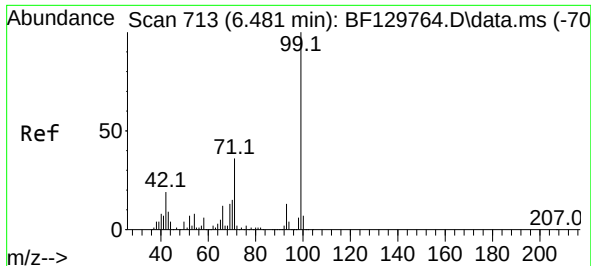


#5
2-Fluorophenol
Concen: 6.287 ng
RT: 5.434 min Scan# 535
Delta R.T. 0.006 min
Lab File: BF129899.D
Acq: 19 Aug 2022 03:38



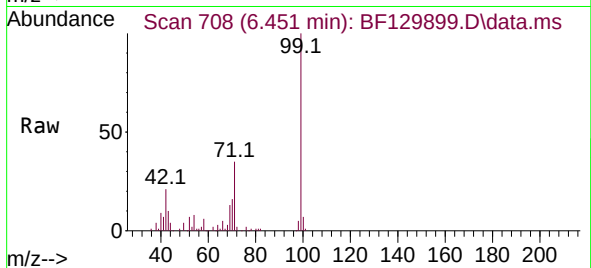
Tgt Ion:112 Resp: 55519
Ion Ratio Lower Upper
112 100
64 60.5 47.6 71.4
63 31.0 24.6 37.0





#7
Phenol-d6
Concen: 6.085 ng
RT: 6.451 min Scan# 70
Delta R.T. 0.000 min
Lab File: BF129899.D
Acq: 19 Aug 2022 03:38

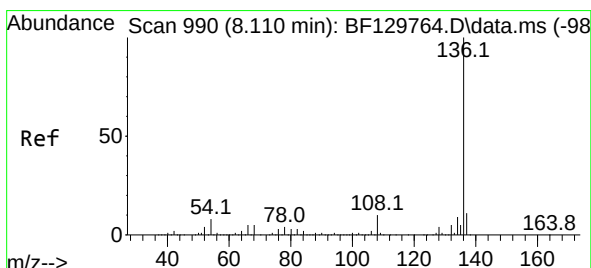
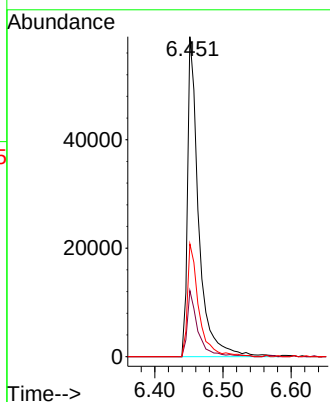
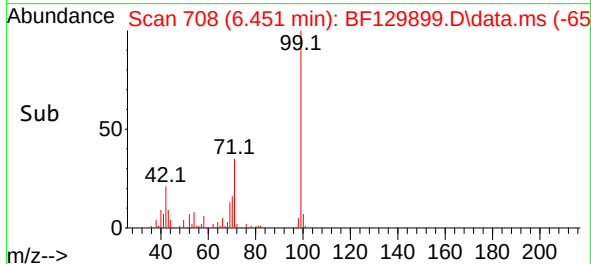
Instrument :
BNA_F
ClientSampleId :
OK-03-081622



Tgt Ion: 99 Resp: 67285
Ion Ratio Lower Upper
99 100
42 20.6 15.0 22.4
71 35.2 28.8 43.2

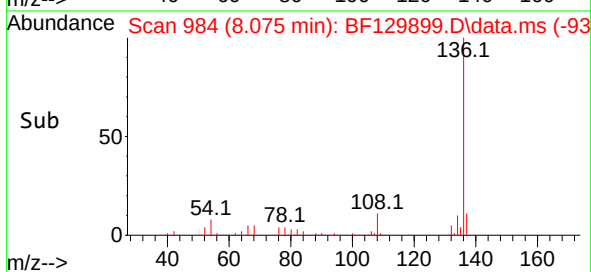
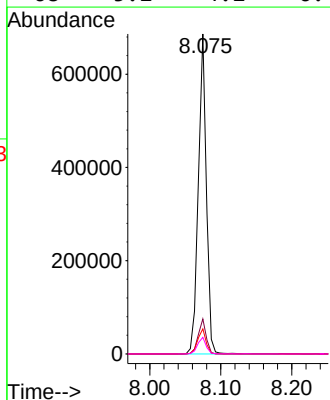
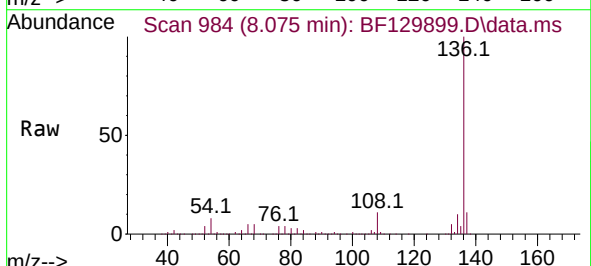
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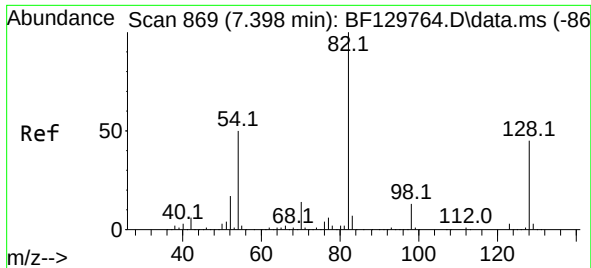
Reviewed By :Christian Giraldo 08/19/2022
Supervised By :Jagrut Upadhyay 08/19/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.075 min Scan# 984
Delta R.T. -0.006 min
Lab File: BF129899.D
Acq: 19 Aug 2022 03:38

Tgt Ion:136 Resp: 540163
Ion Ratio Lower Upper
136 100
137 10.9 8.4 12.6
54 7.8 6.2 9.2
68 5.2 4.2 6.4





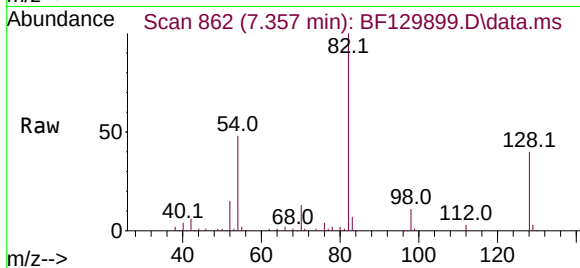
#23
Nitrobenzene-d5
Concen: 4.178 ng
RT: 7.357 min Scan# 80
Delta R.T. -0.012 min
Lab File: BF129899.D
Acq: 19 Aug 2022 03:38

Instrument :

BNA_F

ClientSampleId :

OK-03-081622

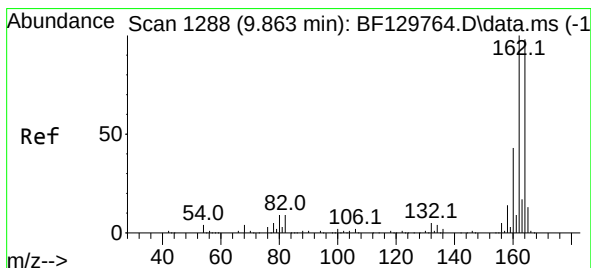
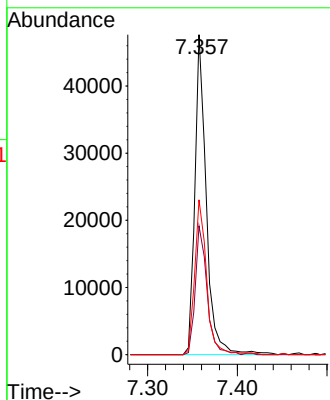
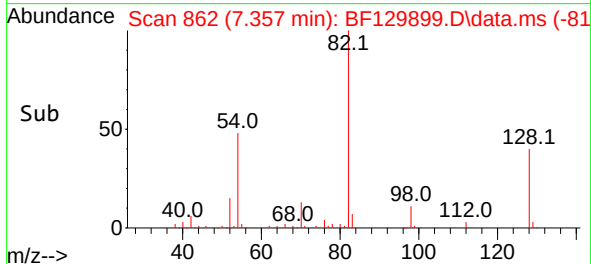


Tgt Ion: 82 Resp: 42163
Ion Ratio Lower Upper
82 100
128 40.2 36.1 54.1
54 48.4 40.0 60.0

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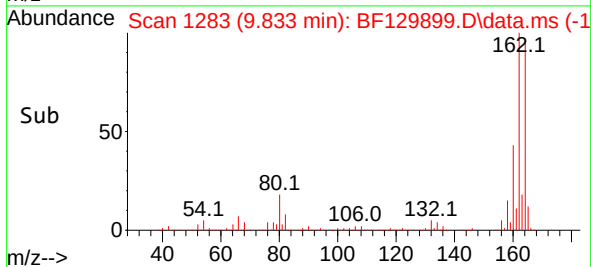
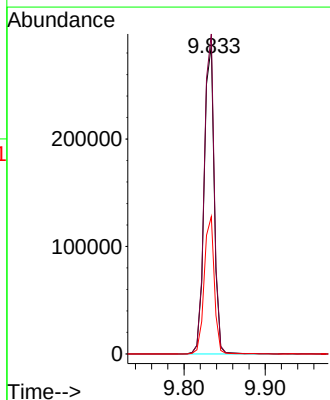
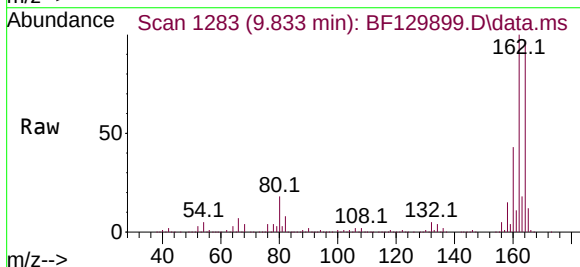
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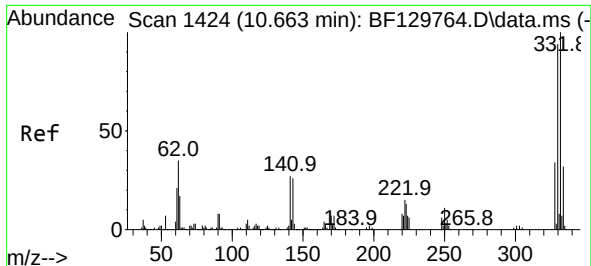
Reviewed By :Christian Giraldo 08/19/2022
Supervised By :Jagrut Upadhyay 08/19/2022



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.833 min Scan# 1283
Delta R.T. 0.000 min
Lab File: BF129899.D
Acq: 19 Aug 2022 03:38

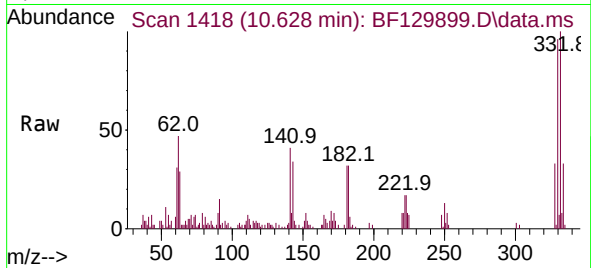
Tgt Ion:164 Resp: 247738
Ion Ratio Lower Upper
164 100
162 103.8 82.0 123.0
160 44.5 35.4 53.0





#42
2,4,6-Tribromophenol
Concen: 4.857 ng
RT: 10.628 min Scan# 1416
Delta R.T. 0.000 min
Lab File: BF129899.D
Acq: 19 Aug 2022 03:38

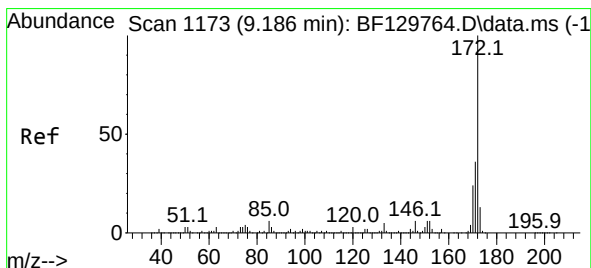
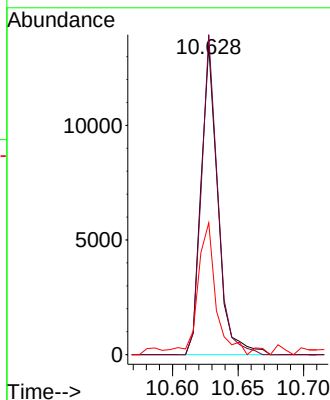
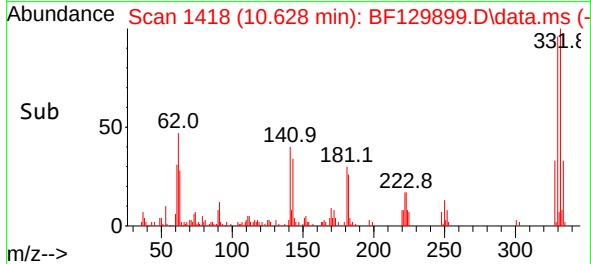
Instrument :
BNA_F
ClientSampleId :
OK-03-081622



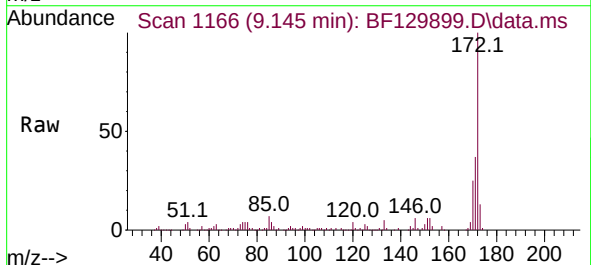
Tgt Ion: 330 Resp: 12076
Ion Ratio Lower Upper
330 100
332 99.7 82.6 124.0
141 42.6 27.6 41.4

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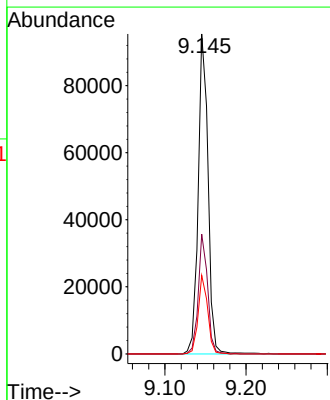
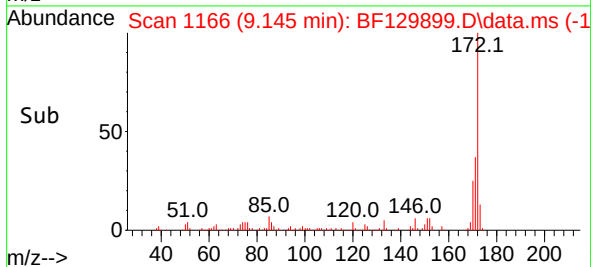
Reviewed By : Christian Giraldo 08/19/2022
Supervised By : Jagrut Upadhyay 08/19/2022

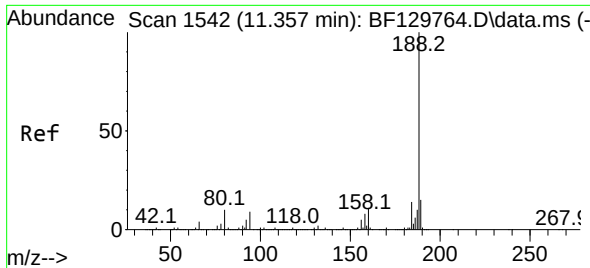


#45
2-Fluorobiphenyl
Concen: 4.908 ng
RT: 9.145 min Scan# 1166
Delta R.T. -0.006 min
Lab File: BF129899.D
Acq: 19 Aug 2022 03:38



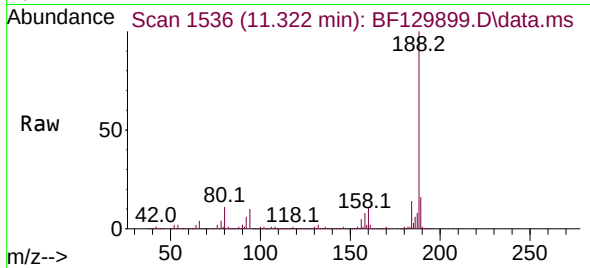
Tgt Ion: 172 Resp: 80054
Ion Ratio Lower Upper
172 100
171 37.4 28.4 42.6
170 24.5 19.1 28.7





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.322 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF129899.D
Acq: 19 Aug 2022 03:38

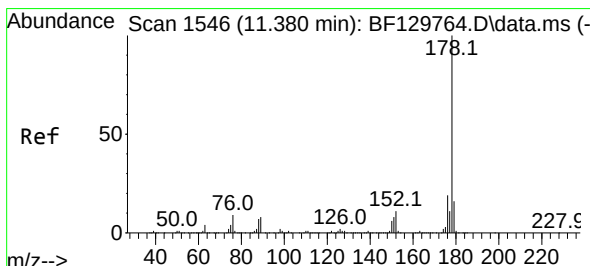
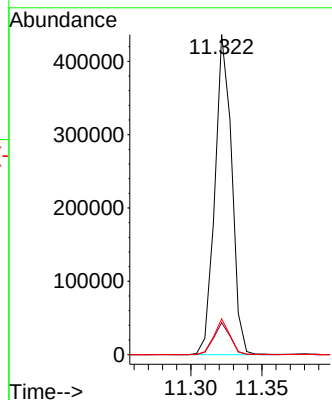
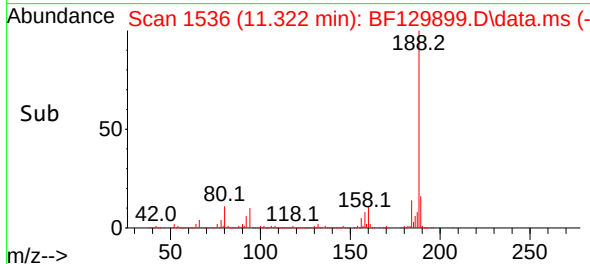
Instrument :
BNA_F
ClientSampleId :
OK-03-081622



Tgt Ion:188 Resp: 360306
Ion Ratio Lower Upper
188 100
94 10.0 7.4 11.2
80 11.2 7.9 11.9

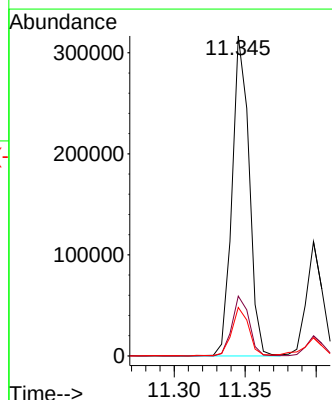
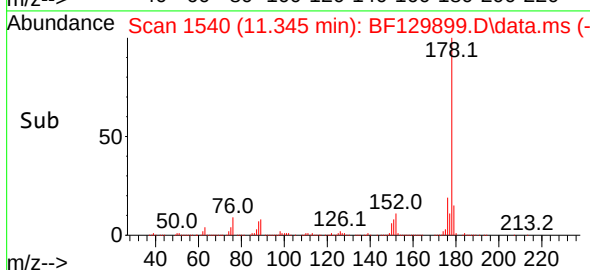
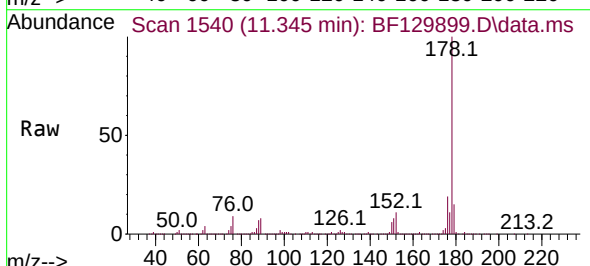
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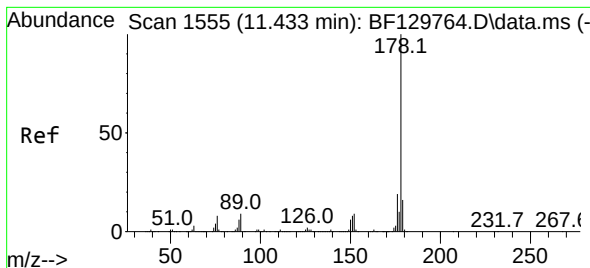
Reviewed By :Christian Giraldo 08/19/2022
Supervised By :Jagrut Upadhyay 08/19/2022



#71
Phenanthrene
Concen: 13.082 ng
RT: 11.345 min Scan# 1540
Delta R.T. -0.006 min
Lab File: BF129899.D
Acq: 19 Aug 2022 03:38

Tgt Ion:178 Resp: 263250
Ion Ratio Lower Upper
178 100
176 18.7 15.5 23.3
179 15.1 12.5 18.7





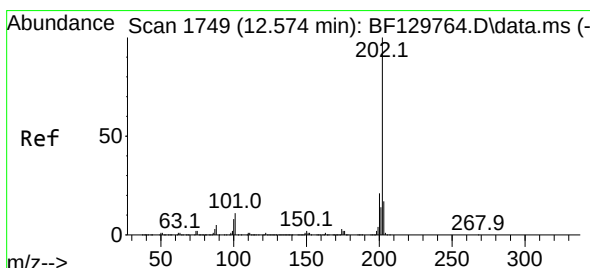
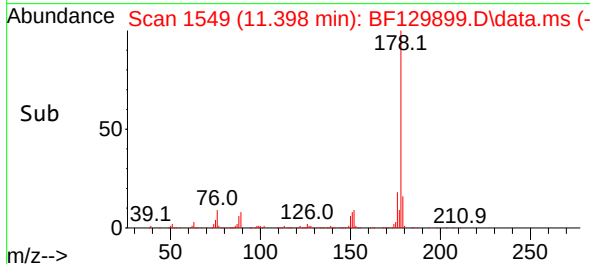
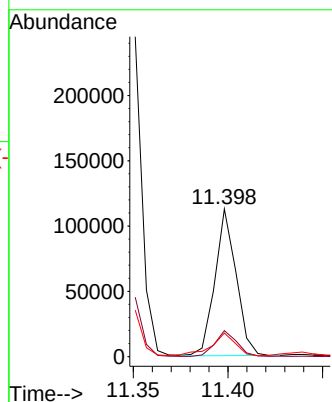
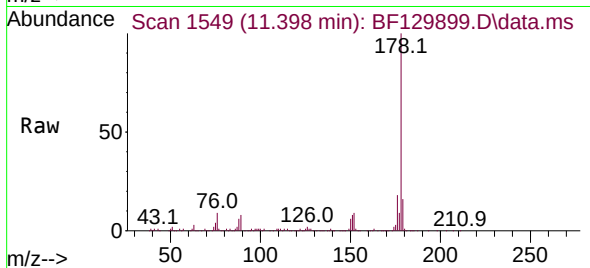
#72
 Anthracene
 Concen: 4.398 ng
 RT: 11.398 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF129899.D
 Acq: 19 Aug 2022 03:38

Instrument :
 BNA_F
 ClientSampleId :
 OK-03-081622

Tgt Ion:178 Resp: 88019
 Ion Ratio Lower Upper
 178 100
 176 17.6 15.1 22.7
 179 16.0 12.6 18.8

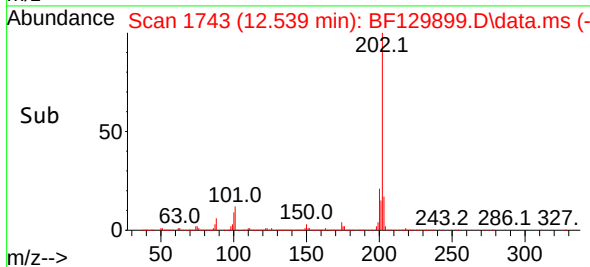
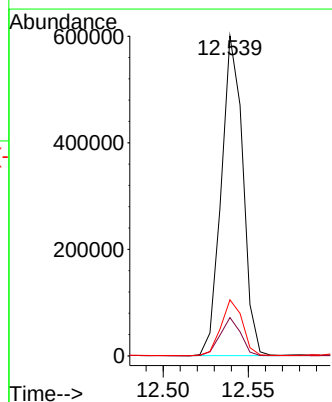
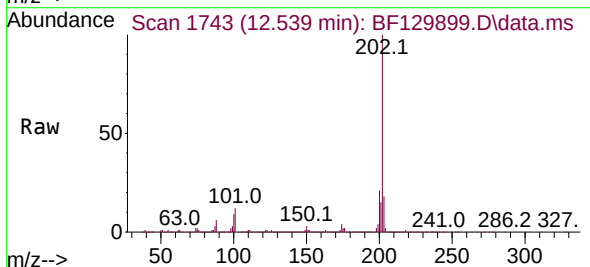
Manual Integrations
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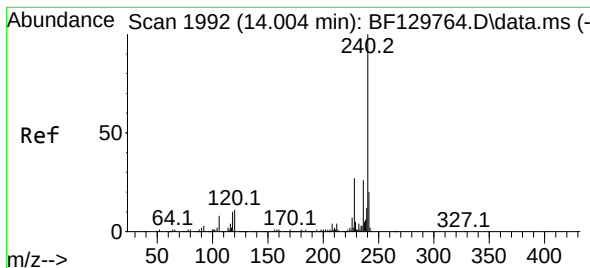
Reviewed By :Christian Giraldo 08/19/2022
 Supervised By :Jagrut Upadhyay 08/19/2022



#75
 Fluoranthene
 Concen: 25.632 ng
 RT: 12.539 min Scan# 1743
 Delta R.T. 0.000 min
 Lab File: BF129899.D
 Acq: 19 Aug 2022 03:38

Tgt Ion:202 Resp: 527796
 Ion Ratio Lower Upper
 202 100
 101 12.0 0.0 30.7
 203 17.5 0.0 37.5





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.974 min Scan# 1992

Delta R.T. 0.000 min

Lab File: BF129899.D

Acq: 19 Aug 2022 03:38

Instrument :

BNA_F

ClientSampleId :

OK-03-081622

Tgt Ion:240 Resp: 270133

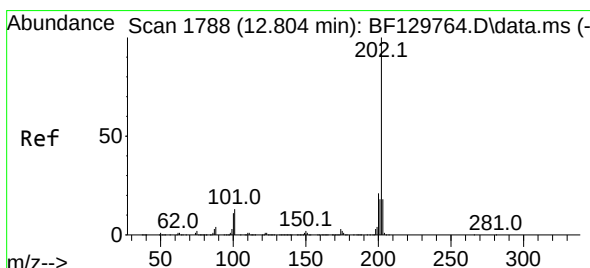
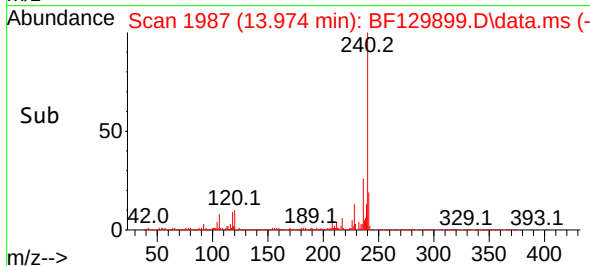
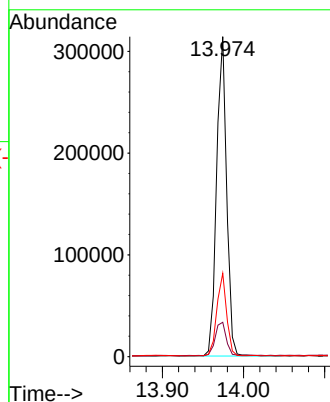
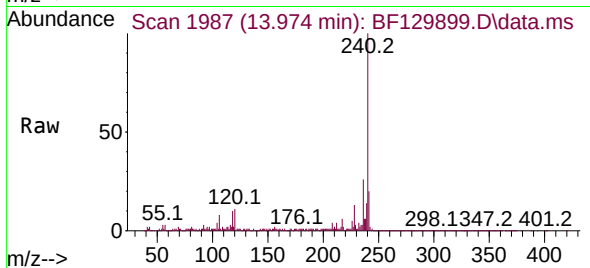
Ion	Ratio	Lower	Upper
240	100		
120	10.7	9.2	13.8
236	26.0	20.7	31.1

Manual Integrations

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Reviewed By :Christian Giraldo 08/19/2022

Supervised By :Jagrut Upadhyay 08/19/2022



#78

Pyrene

Concen: 19.318 ng

RT: 12.769 min Scan# 1782

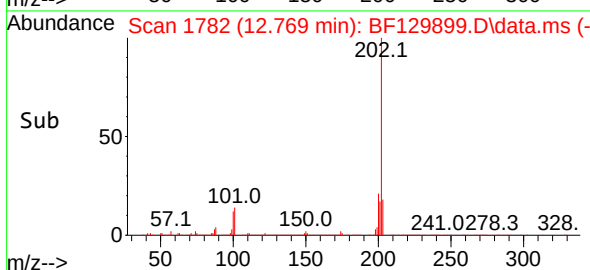
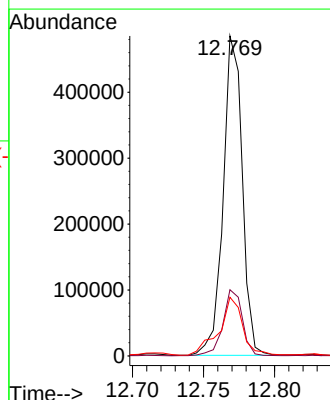
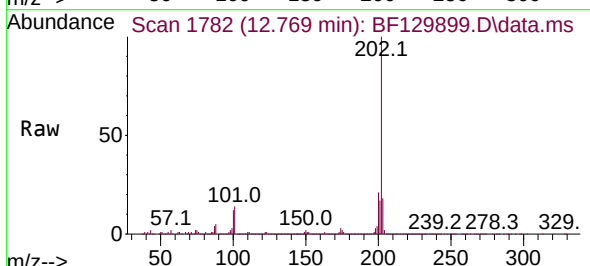
Delta R.T. 0.000 min

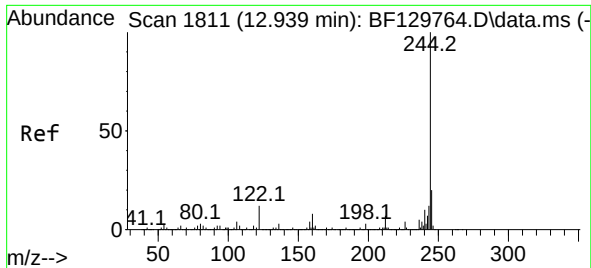
Lab File: BF129899.D

Acq: 19 Aug 2022 03:38

Tgt Ion:202 Resp: 453479

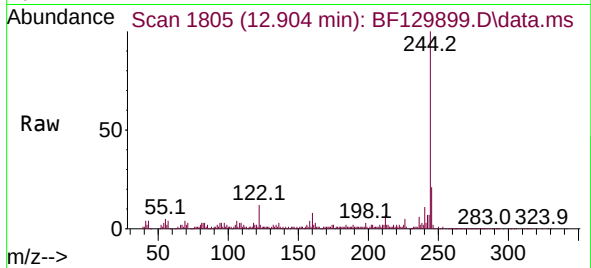
Ion	Ratio	Lower	Upper
202	100		
200	20.7	17.0	25.6
203	18.3	14.1	21.1





#79
 Terphenyl-d14
 Concen: 4.329 ng
 RT: 12.904 min Scan# 1811
 Delta R.T. -0.006 min
 Lab File: BF129899.D
 Acq: 19 Aug 2022 03:38

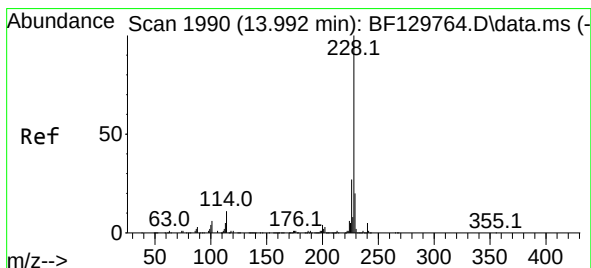
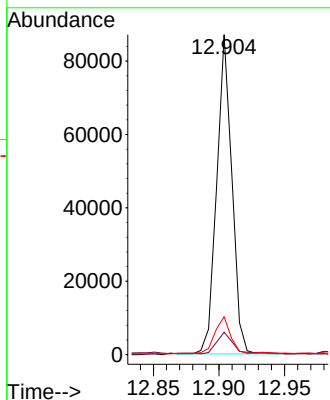
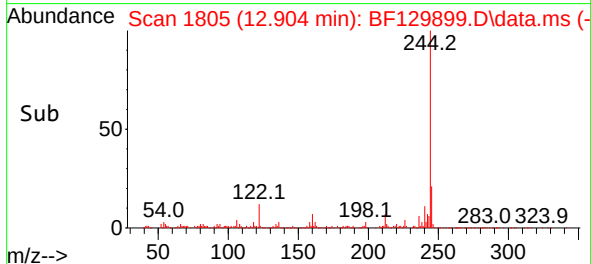
Instrument :
 BNA_F
 ClientSampleId :
 OK-03-081622



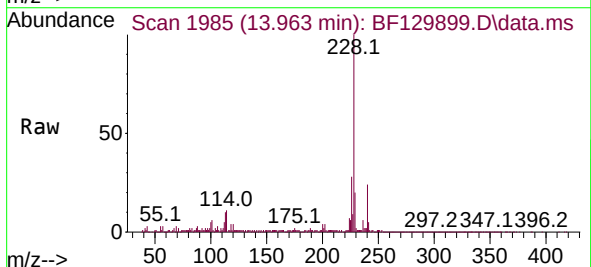
Tgt Ion:244 Resp: 70276
 Ion Ratio Lower Upper
 244 100
 212 7.0 5.9 8.9
 122 11.8 9.9 14.9

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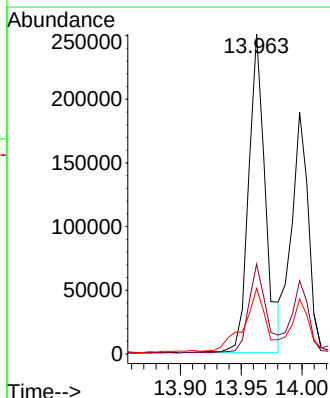
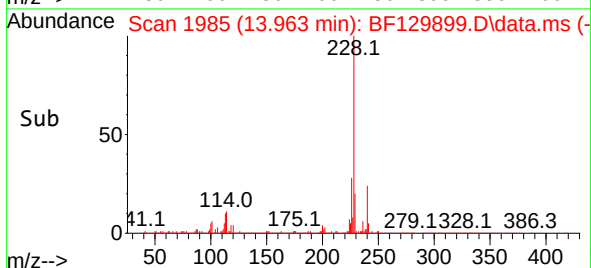
Reviewed By :Christian Giraldo 08/19/2022
 Supervised By :Jagrut Upadhyay 08/19/2022

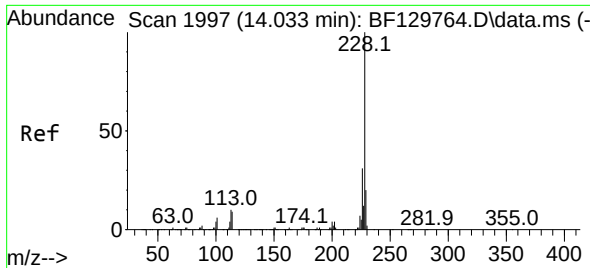


#81
 Benzo(a)anthracene
 Concen: 12.900 ng
 RT: 13.963 min Scan# 1985
 Delta R.T. 0.000 min
 Lab File: BF129899.D
 Acq: 19 Aug 2022 03:38



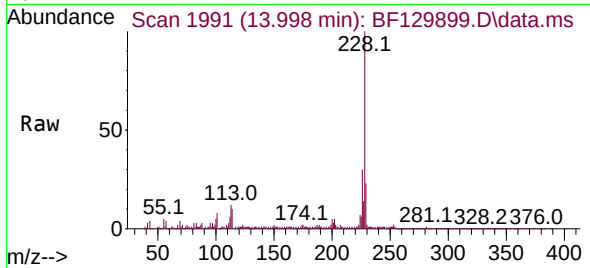
Tgt Ion:228 Resp: 239709
 Ion Ratio Lower Upper
 228 100
 226 28.1 21.4 32.0
 229 20.5 16.1 24.1





#83
Chrysene
Concen: 10.539 ng
RT: 13.998 min Scan# 1997
Delta R.T. 0.000 min
Lab File: BF129899.D
Acq: 19 Aug 2022 03:38

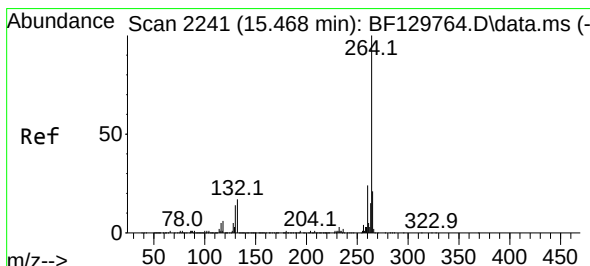
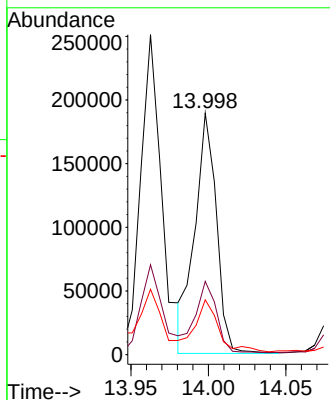
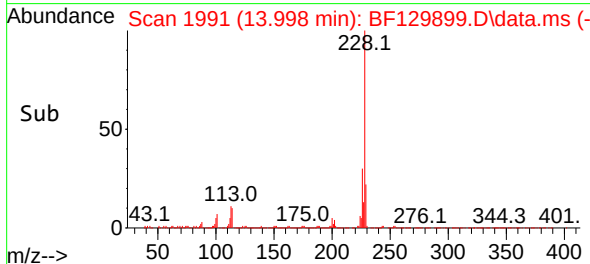
Instrument :
BNA_F
ClientSampleId :
OK-03-081622



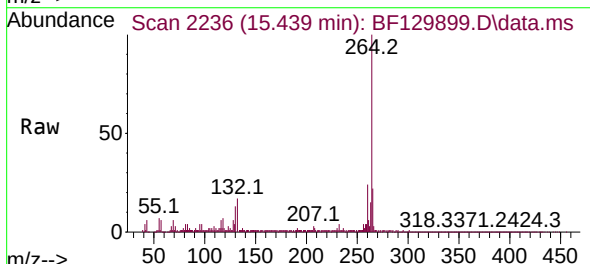
Tgt Ion:228 Resp: 183324
Ion Ratio Lower Upper
228 100
226 30.3 24.4 36.6
229 22.7 15.9 23.9

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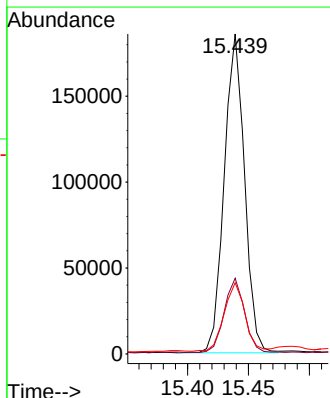
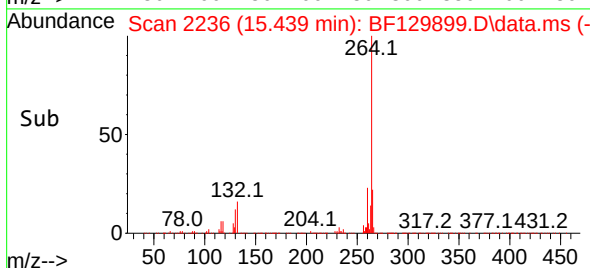
Reviewed By :Christian Giraldo 08/19/2022
Supervised By :Jagrut Upadhyay 08/19/2022

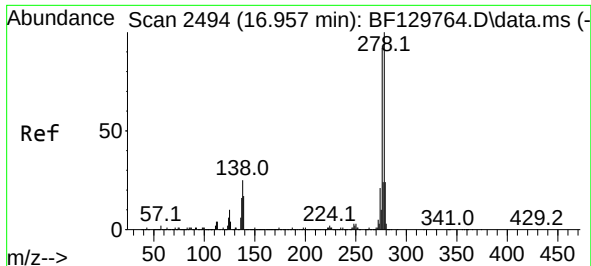


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.439 min Scan# 2236
Delta R.T. 0.012 min
Lab File: BF129899.D
Acq: 19 Aug 2022 03:38



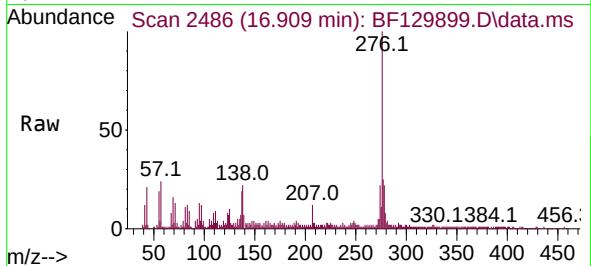
Tgt Ion:264 Resp: 214858
Ion Ratio Lower Upper
264 100
260 23.6 19.1 28.7
265 22.2 16.7 25.1





#87
Indeno(1,2,3-cd)pyrene
Concen: 6.379 ng
RT: 16.909 min Scan# 2494
Delta R.T. 0.006 min
Lab File: BF129899.D
Acq: 19 Aug 2022 03:38

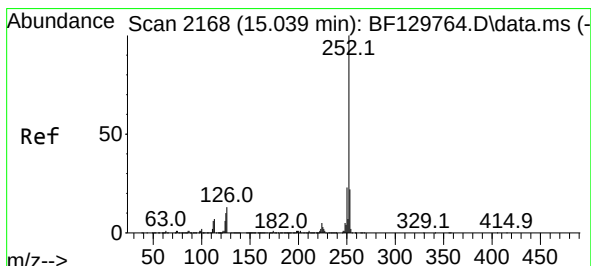
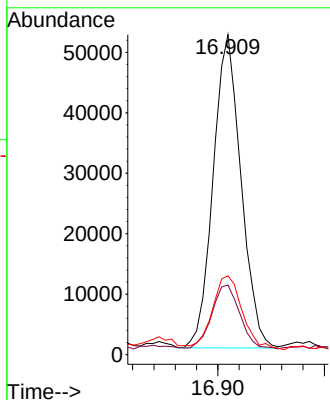
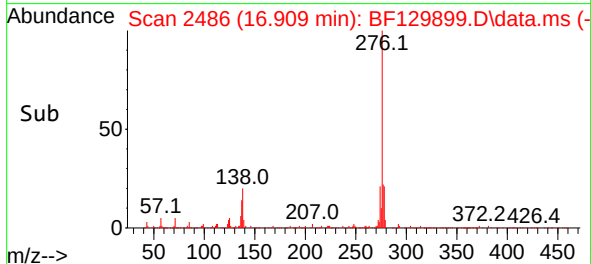
Instrument :
BNA_F
ClientSampleId :
OK-03-081622



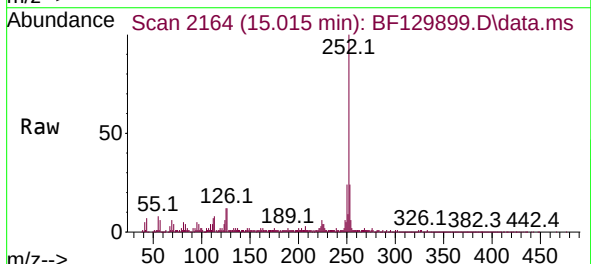
Tgt Ion: 276 Resp: 94090
Ion Ratio Lower Upper
276 100
138 21.3 19.8 29.8
277 25.7 20.4 30.6

Manual Integrations
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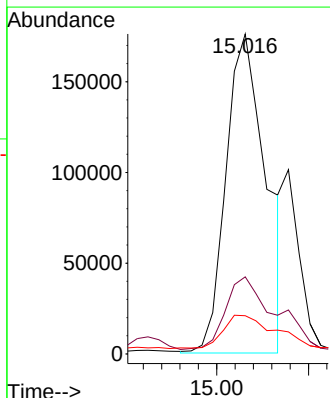
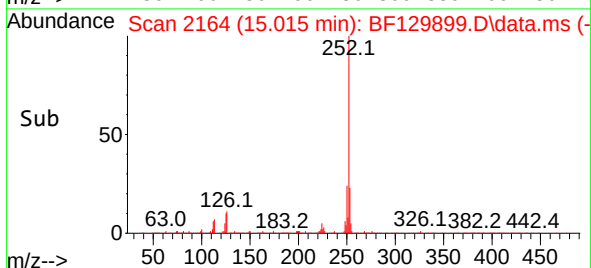
Reviewed By : Christian Giraldo 08/19/2022
Supervised By : Jagrut Upadhyay 08/19/2022

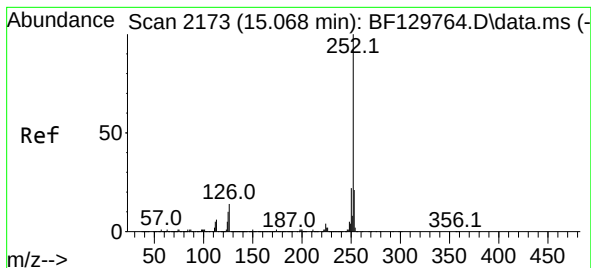


#88
Benzo(b)fluoranthene
Concen: 18.099 ng m
RT: 15.015 min Scan# 2164
Delta R.T. 0.012 min
Lab File: BF129899.D
Acq: 19 Aug 2022 03:38



Tgt Ion: 252 Resp: 266281
Ion Ratio Lower Upper
252 100
253 24.1 17.5 26.3
125 11.9 8.3 12.5





#89

Benzo(k)fluoranthene

Concen: 4.402 ng m

RT: 15.039 min Scan# 2173

Delta R.T. 0.006 min

Lab File: BF129899.D

Acq: 19 Aug 2022 03:38

Instrument :

BNA_F

ClientSampleId :

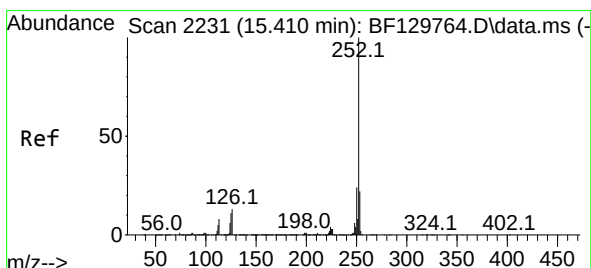
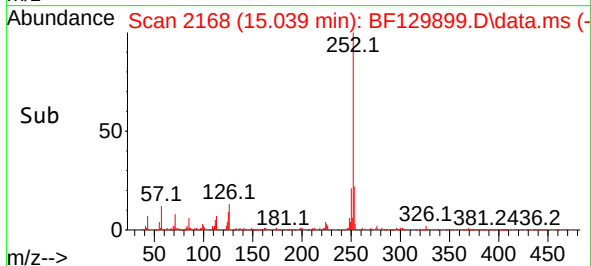
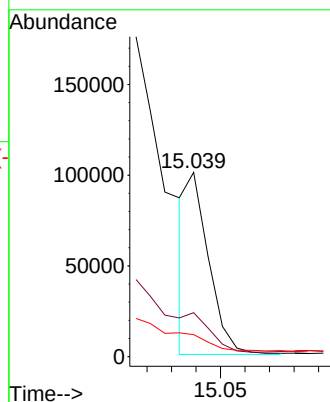
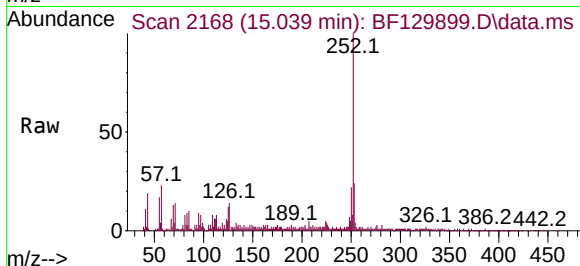
OK-03-081622

Tgt Ion:	252	Resp:	62113
Ion Ratio	Lower	Upper	
252	100		
253	23.9	17.1	25.7
125	11.9	8.3	12.5

Manual Integrations

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Reviewed By :Christian Giraldo 08/19/2022
Supervised By :Jagrut Upadhyay 08/19/2022



#90

Benzo(a)pyrene

Concen: 14.982 ng

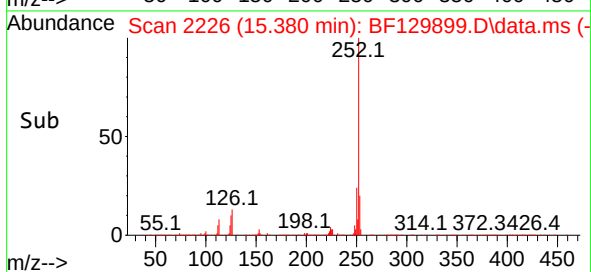
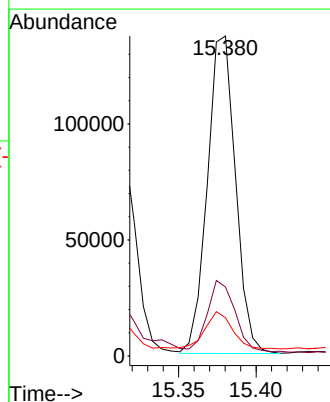
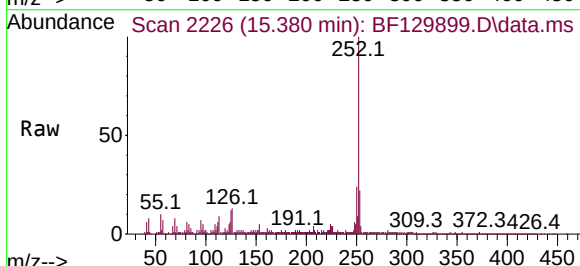
RT: 15.380 min Scan# 2226

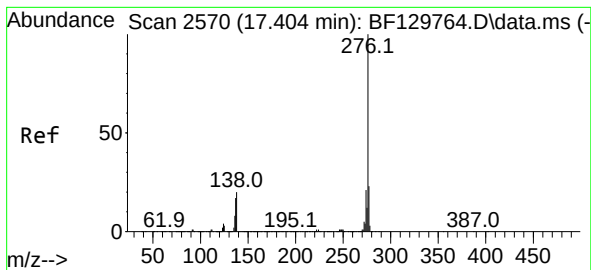
Delta R.T. 0.012 min

Lab File: BF129899.D

Acq: 19 Aug 2022 03:38

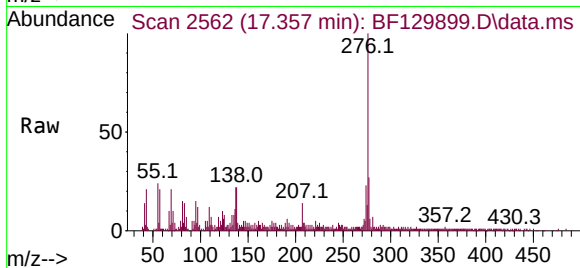
Tgt Ion:	252	Resp:	173584
Ion Ratio	Lower	Upper	
252	100		
253	21.5	17.2	25.8
125	11.9	8.8	13.2





#92
Benzo(g,h,i)perylene
Concen: 7.023 ng
RT: 17.357 min Scan# 2562
Delta R.T. 0.012 min
Lab File: BF129899.D
Acq: 19 Aug 2022 03:38

Instrument :
BNA_F
ClientSampleId :
OK-03-081622



Tgt Ion: 276 Resp: 85276
Ion Ratio Lower Upper
276 100
277 26.7 18.2 27.4
138 22.4 15.8 23.8

Manual Integrations
APPROVED

Reviewed By : Christian Giraldo 08/19/2022
Supervised By : Jagrut Upadhyay 08/19/2022

