

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF103122\
 Data File : BF130892.D
 Acq On : 31 Oct 2022 22:03
 Operator : CG\JU
 Sample : N5374-01 2X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OK-2-102822

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 11/01/2022
 Supervised By : Jagrut Upadhyay 11/01/2022

Quant Time: Nov 01 02:33:51 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102722.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Oct 29 05:41:34 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.945	152	75213	20.000	ng	0.00
21) Naphthalene-d8	8.228	136	253091	20.000	ng	0.00
39) Acenaphthene-d10	9.992	164	126617	20.000	ng	0.00
64) Phenanthrene-d10	11.486	188	234245	20.000	ng	0.00
76) Chrysene-d12	14.133	240	132070	20.000	ng	# 0.00
86) Perylene-d12	15.662	264	102019	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.551	112	171749	39.587	ng	0.00
7) Phenol-d6	6.557	99	200386	35.543	ng	0.00
23) Nitrobenzene-d5	7.504	82	118266	28.177	ng	-0.01
42) 2,4,6-Tribromophenol	10.780	330	45933	43.095	ng	0.00
45) 2-Fluorobiphenyl	9.304	172	211372	25.239	ng	0.00
79) Terphenyl-d14	13.074	244	218714	30.346	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.510	178	84934	7.025	ng	99
75) Fluoranthene	12.704	202	134994	10.509	ng	98
78) Pyrene	12.933	202	122046	10.953	ng	99
81) Benzo(a)anthracene	14.127	228	43842	5.007	ng	# 89
83) Chrysene	14.163	228	52106	6.169	ng	94
87) Indeno(1,2,3-cd)pyrene	17.209	276	17615	2.600	ng	97
88) Benzo(b)fluoranthene	15.204	252	43900m	6.657	ng	
89) Benzo(k)fluoranthene	15.233	252	17775m	2.766	ng	
90) Benzo(a)pyrene	15.592	252	31096	5.866	ng	# 61
92) Benzo(g,h,i)perylene	17.686	276	19171	3.402	ng	# 74

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

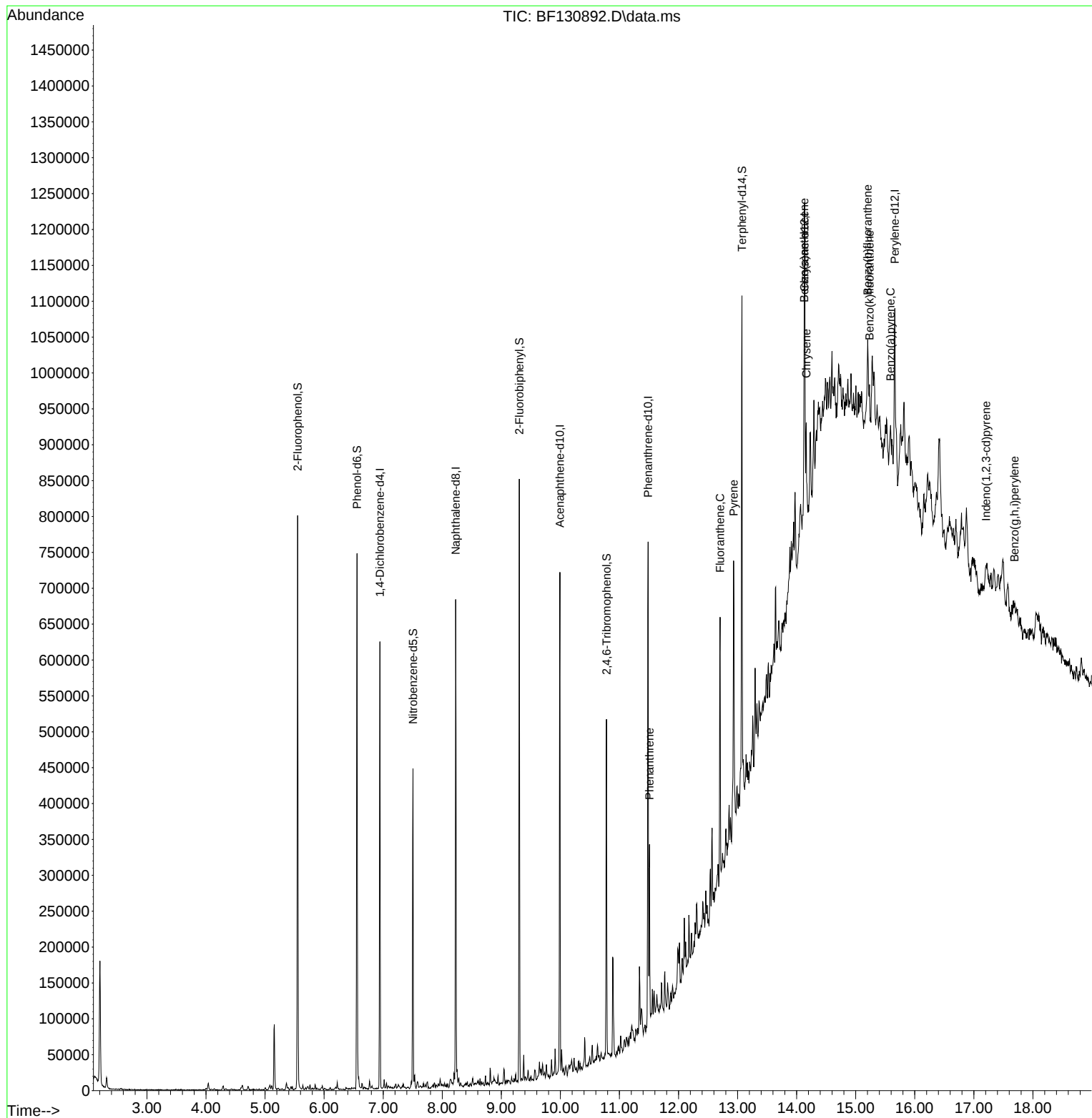
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF103122\
Data File : BF130892.D
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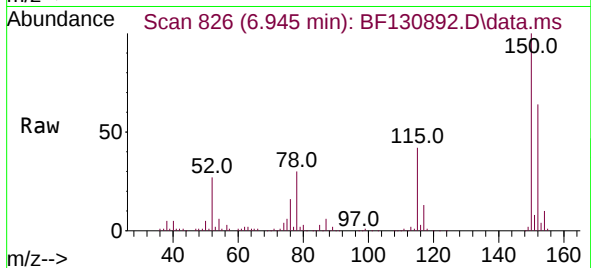
Reviewed By : Christian Giraldo 11/01/2022
Supervised By : Jagrut Upadhyay 11/01/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.945 min Scan# 81
Delta R.T. 0.000 min
Lab File: BF130892.D
Acq: 31 Oct 2022 22:03

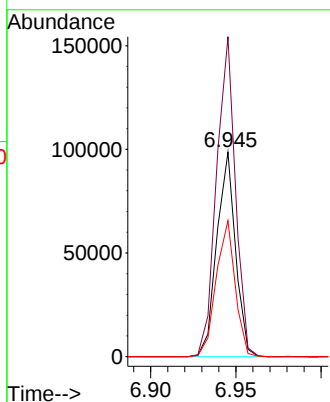
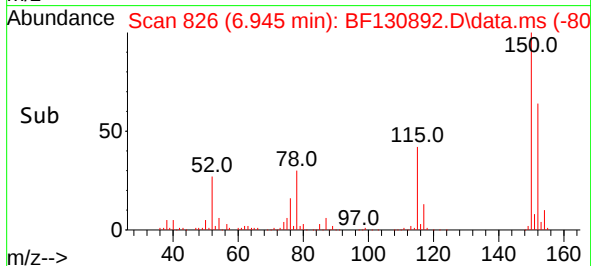
Instrument :
BNA_F
ClientSampleId :
OK-2-102822



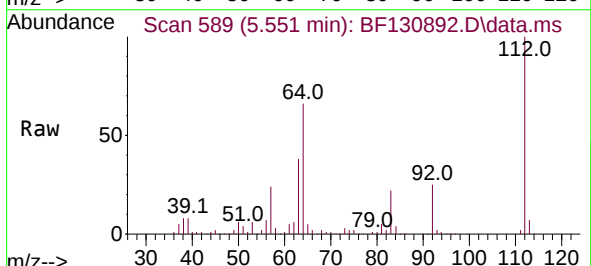
Tgt Ion:152 Resp: 75213
Ion Ratio Lower Upper
152 100
150 156.6 124.1 186.1
115 66.5 50.1 75.1

Manual Integrations
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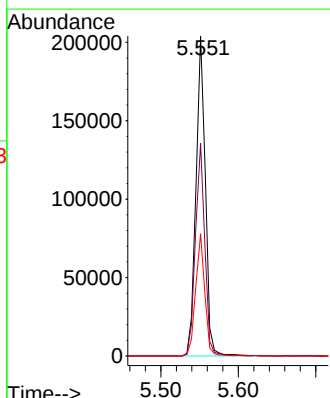
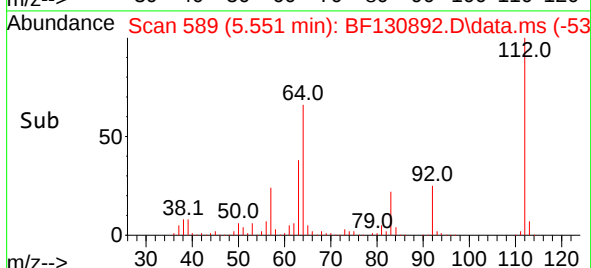
Reviewed By :Christian Giraldo 11/01/2022
Supervised By :Jagrut Upadhyay 11/01/2022



#5
2-Fluorophenol
Concen: 39.587 ng
RT: 5.551 min Scan# 589
Delta R.T. -0.006 min
Lab File: BF130892.D
Acq: 31 Oct 2022 22:03



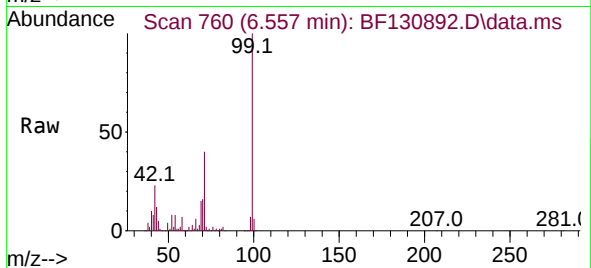
Tgt Ion:112 Resp: 171749
Ion Ratio Lower Upper
112 100
64 66.4 53.9 80.9
63 38.2 29.4 44.2





#7
Phenol-d6
Concen: 35.543 ng
RT: 6.557 min Scan# 70
Delta R.T. -0.006 min
Lab File: BF130892.D
Acq: 31 Oct 2022 22:03

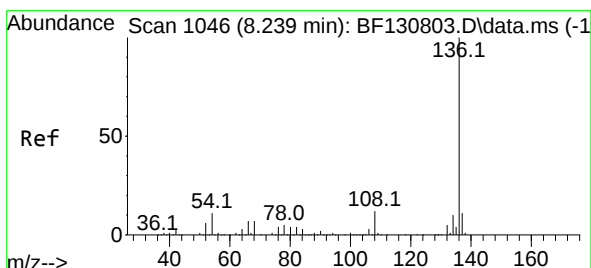
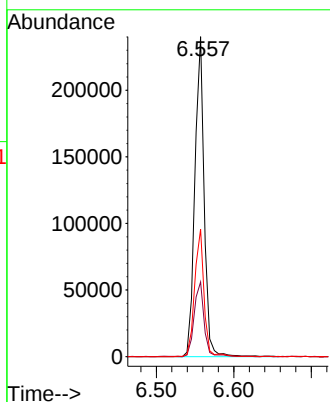
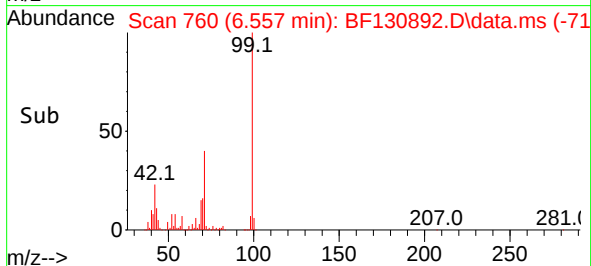
Instrument :
BNA_F
ClientSampleId :
OK-2-102822



Tgt Ion: 99 Resp: 200386
Ion Ratio Lower Upper
99 100
42 23.3 18.8 28.2
71 39.8 31.4 47.0

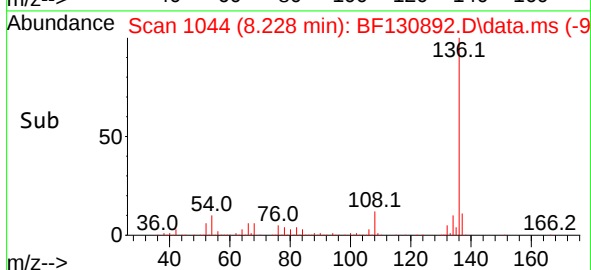
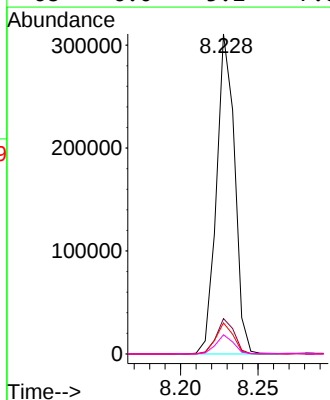
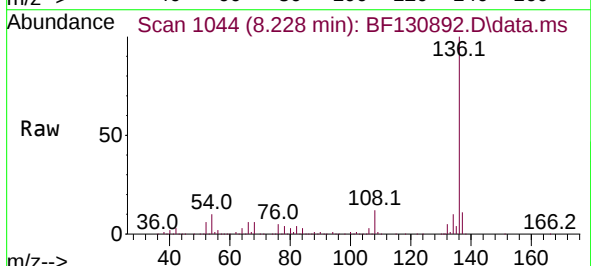
Manual Integrations
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#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.228 min Scan# 1044
Delta R.T. -0.006 min
Lab File: BF130892.D
Acq: 31 Oct 2022 22:03

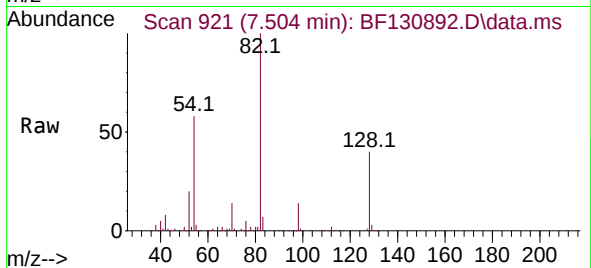
Tgt Ion:136 Resp: 253091
Ion Ratio Lower Upper
136 100
137 11.0 9.2 13.8
54 9.7 8.8 13.2
68 6.0 5.2 7.8





#23
Nitrobenzene-d5
Concen: 28.177 ng
RT: 7.504 min Scan# 91
Delta R.T. -0.012 min
Lab File: BF130892.D
Acq: 31 Oct 2022 22:03

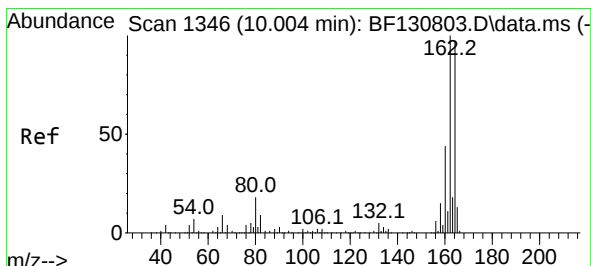
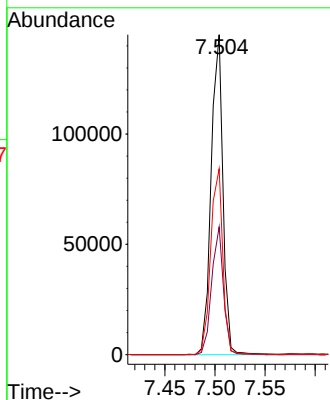
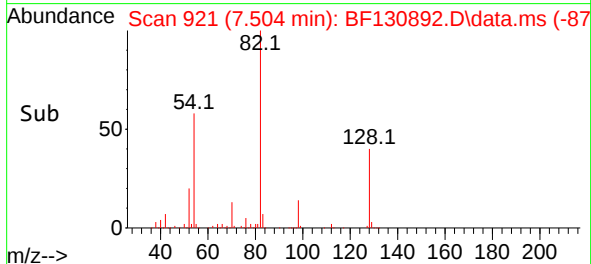
Instrument :
BNA_F
ClientSampleId :
OK-2-102822



Tgt Ion: 82 Resp: 118266
Ion Ratio Lower Upper
82 100
128 39.9 31.2 46.8
54 58.1 48.0 72.0

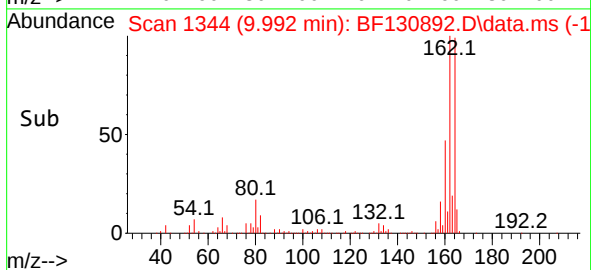
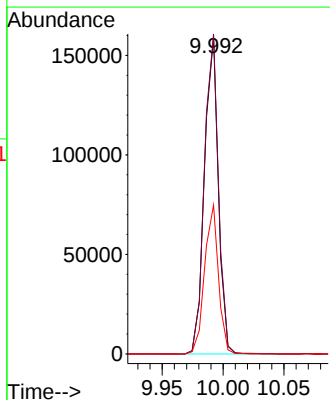
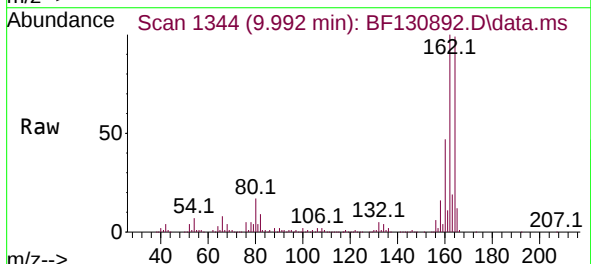
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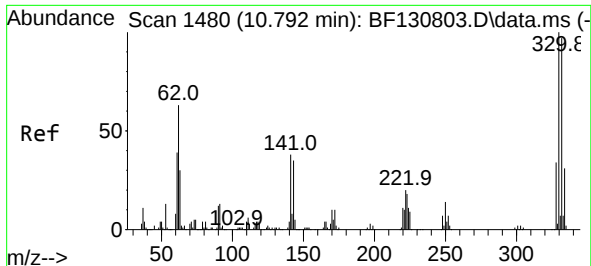
Reviewed By :Christian Giraldo 11/01/2022
Supervised By :Jagrut Upadhyay 11/01/2022



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.992 min Scan# 1344
Delta R.T. -0.006 min
Lab File: BF130892.D
Acq: 31 Oct 2022 22:03

Tgt Ion:164 Resp: 126617
Ion Ratio Lower Upper
164 100
162 101.0 82.2 123.2
160 47.0 36.6 54.8





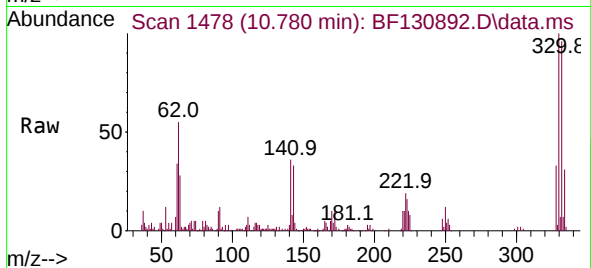
#42
2,4,6-Tribromophenol
Concen: 43.095 ng
RT: 10.780 min Scan# 1480
Delta R.T. -0.006 min
Lab File: BF130892.D
Acq: 31 Oct 2022 22:03

Instrument :

BNA_F

ClientSampleId :

OK-2-102822

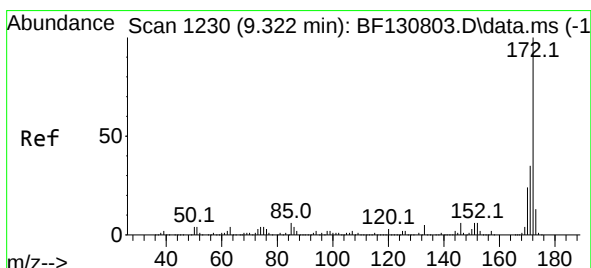
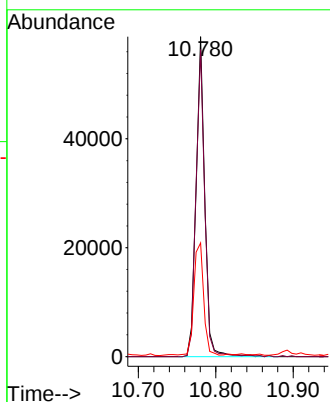
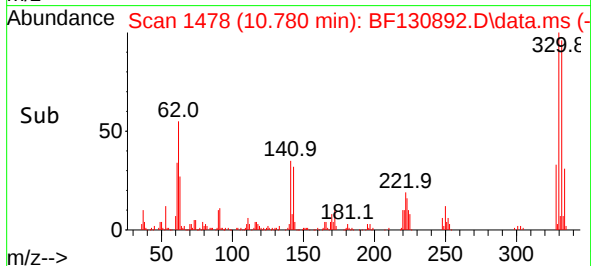


Tgt Ion: 330 Resp: 45933
Ion Ratio Lower Upper
330 100
332 96.0 76.2 114.4
141 40.1 31.4 47.0

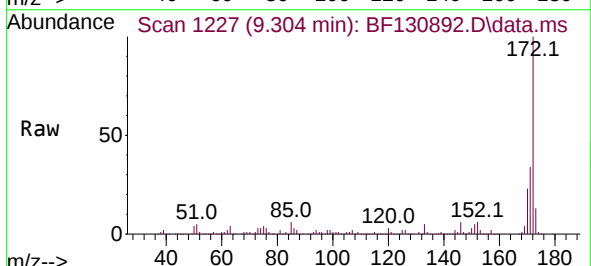
Manual Integrations

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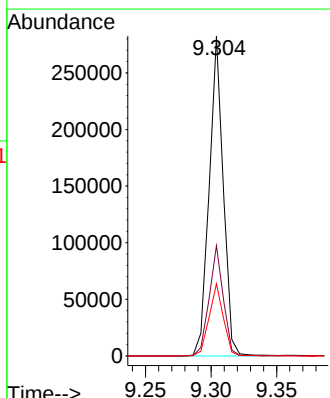
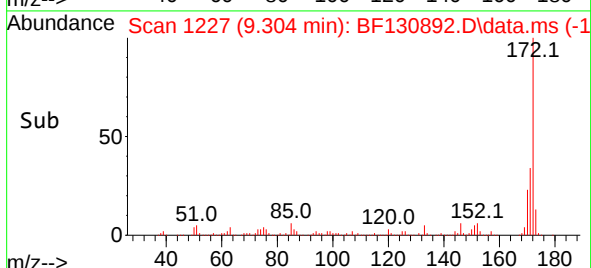
Reviewed By : Christian Giraldo 11/01/2022
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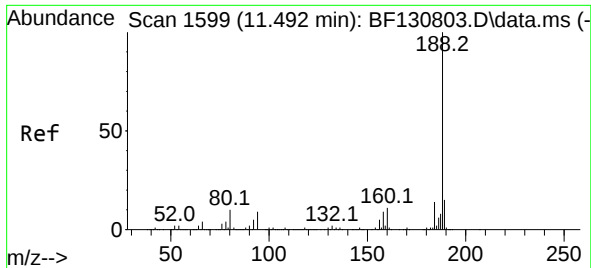


#45
2-Fluorobiphenyl
Concen: 25.239 ng
RT: 9.304 min Scan# 1227
Delta R.T. -0.006 min
Lab File: BF130892.D
Acq: 31 Oct 2022 22:03



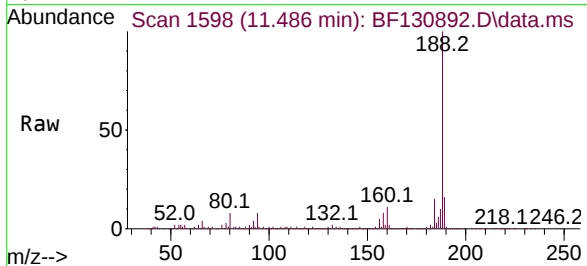
Tgt Ion: 172 Resp: 211372
Ion Ratio Lower Upper
172 100
171 34.4 28.1 42.1
170 22.5 19.0 28.4





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.486 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF130892.D
Acq: 31 Oct 2022 22:03

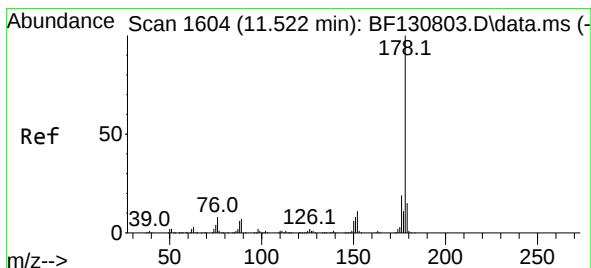
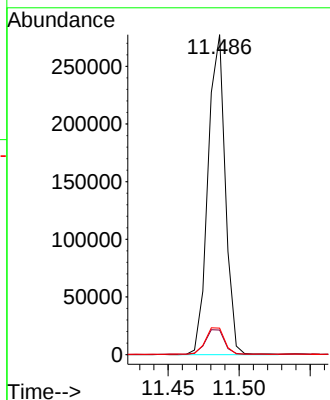
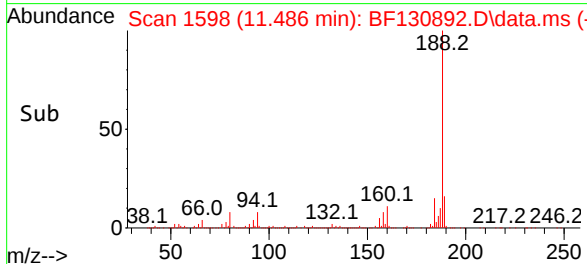
Instrument :
BNA_F
ClientSampleId :
OK-2-102822



Tgt Ion:188 Resp: 234245
Ion Ratio Lower Upper
188 100
94 7.7 7.4 11.2
80 8.3 8.0 12.0

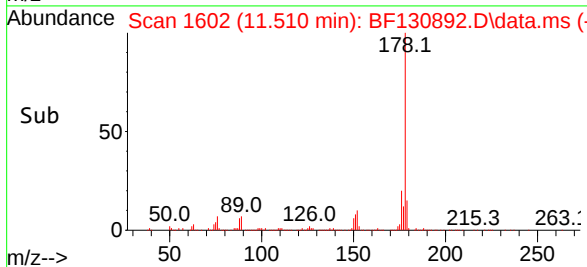
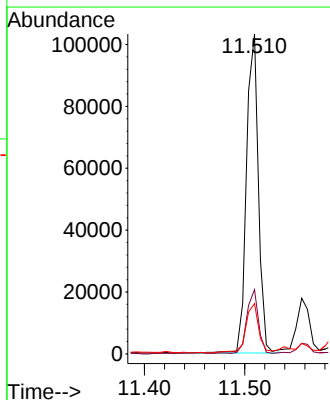
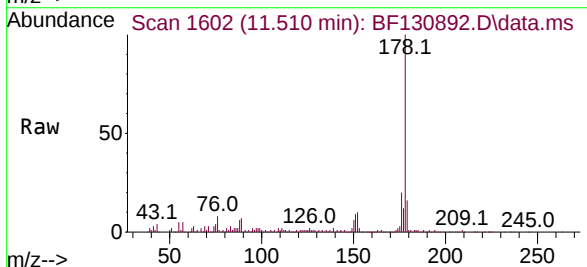
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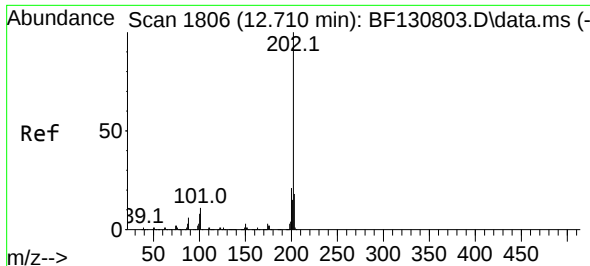
Reviewed By :Christian Giraldo 11/01/2022
Supervised By :Jagrut Upadhyay 11/01/2022



#71
Phenanthrene
Concen: 7.025 ng
RT: 11.510 min Scan# 1602
Delta R.T. -0.000 min
Lab File: BF130892.D
Acq: 31 Oct 2022 22:03

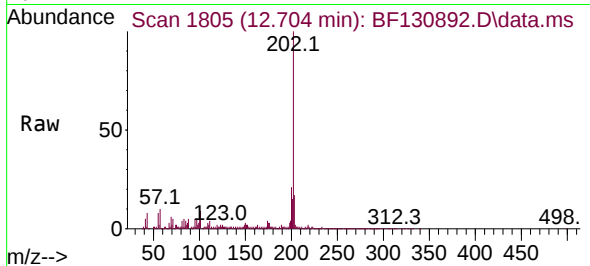
Tgt Ion:178 Resp: 84934
Ion Ratio Lower Upper
178 100
176 20.1 15.5 23.3
179 15.7 12.2 18.2





#75
Fluoranthene
Concen: 10.509 ng
RT: 12.704 min Scan# 1806
Delta R.T. -0.000 min
Lab File: BF130892.D
Acq: 31 Oct 2022 22:03

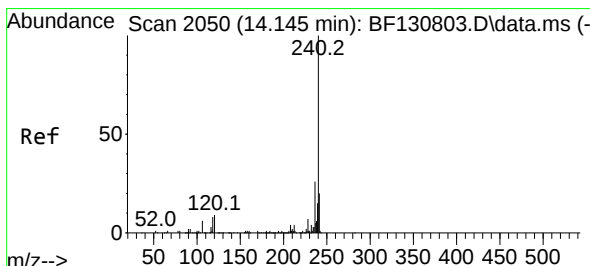
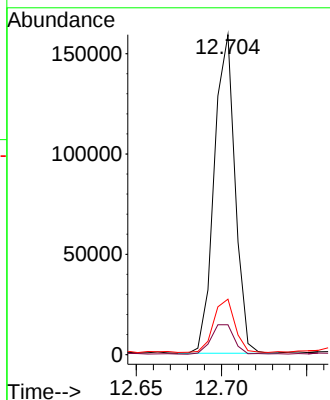
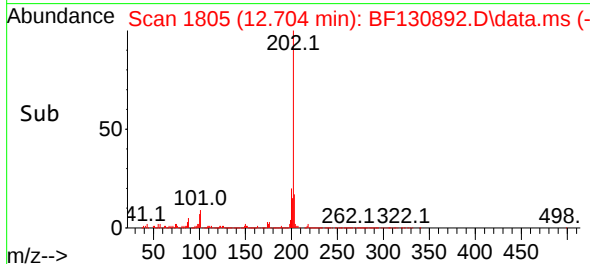
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Tgt Ion:202 Resp: 134994
Ion Ratio Lower Upper
202 100
101 9.3 0.0 30.9
203 17.3 0.0 37.7

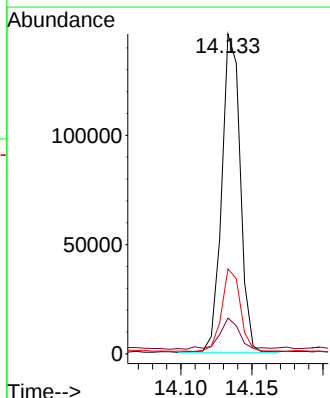
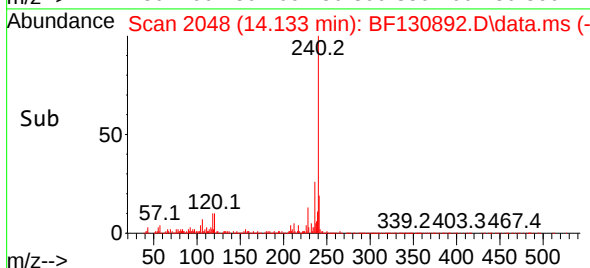
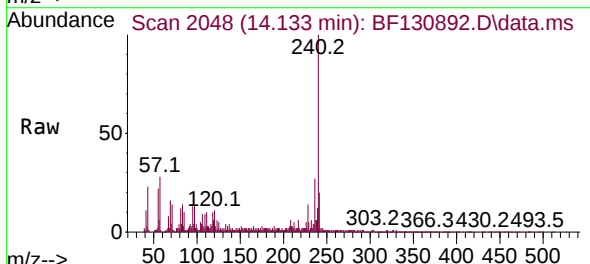
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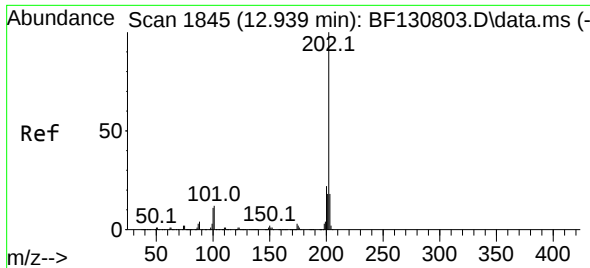
Reviewed By :Christian Giraldo 11/01/2022
Supervised By :Jagrut Upadhyay 11/01/2022



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.133 min Scan# 2048
Delta R.T. -0.000 min
Lab File: BF130892.D
Acq: 31 Oct 2022 22:03

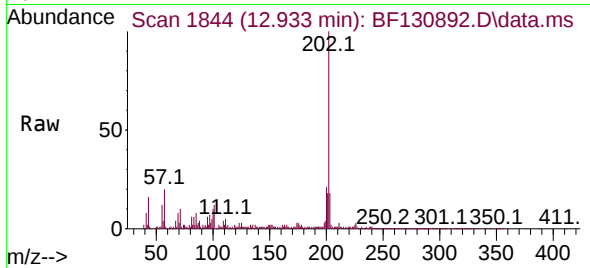
Tgt Ion:240 Resp: 132070
Ion Ratio Lower Upper
240 100
120 11.2 7.0 10.4#
236 26.6 20.5 30.7





#78
 Pyrene
 Concen: 10.953 ng
 RT: 12.933 min Scan# 1845
 Delta R.T. -0.000 min
 Lab File: BF130892.D
 Acq: 31 Oct 2022 22:03

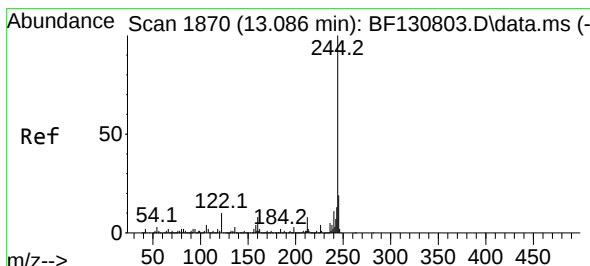
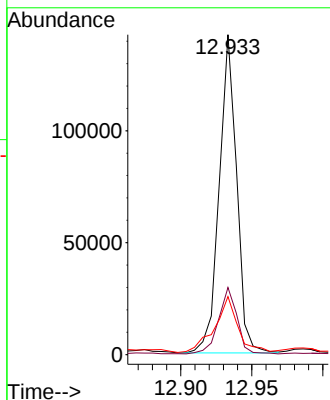
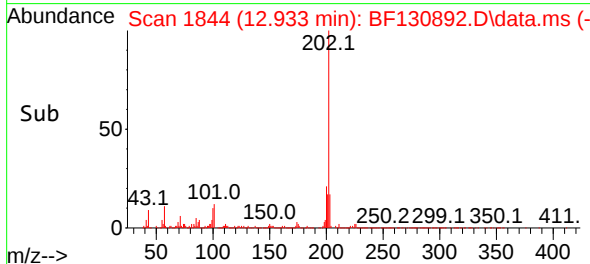
Instrument :
 BNA_F
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 OK-2-102822



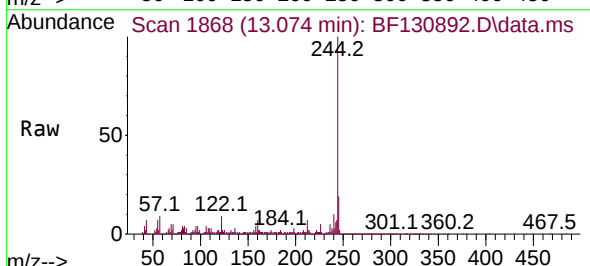
Tgt Ion:202 Resp: 122046
 Ion Ratio Lower Upper
 202 100
 200 21.0 17.2 25.8
 203 18.1 14.5 21.7

Manual Integrations
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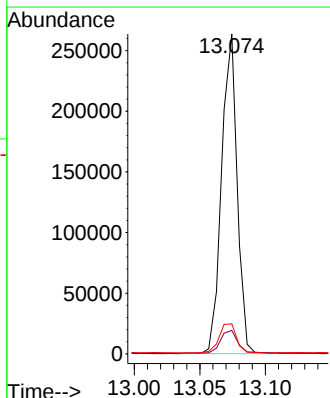
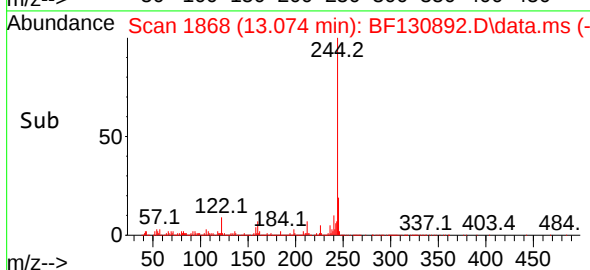
Reviewed By :Christian Giraldo 11/01/2022
 Supervised By :Jagrut Upadhyay 11/01/2022

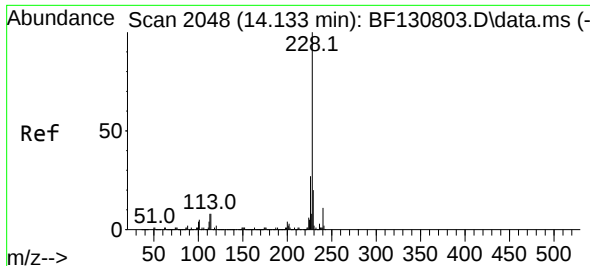


#79
 Terphenyl-d14
 Concen: 30.346 ng
 RT: 13.074 min Scan# 1868
 Delta R.T. -0.000 min
 Lab File: BF130892.D
 Acq: 31 Oct 2022 22:03



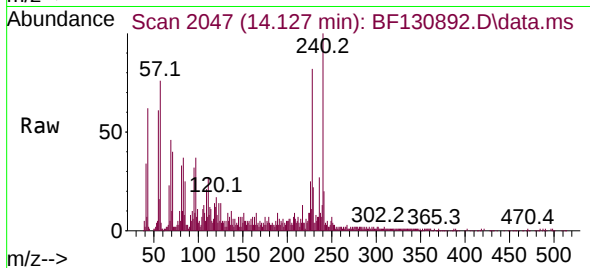
Tgt Ion:244 Resp: 218714
 Ion Ratio Lower Upper
 244 100
 212 7.3 6.2 9.2
 122 9.4 7.9 11.9





#81
Benzo(a)anthracene
Concen: 5.007 ng
RT: 14.127 min Scan# 2048
Delta R.T. 0.006 min
Lab File: BF130892.D
Acq: 31 Oct 2022 22:03

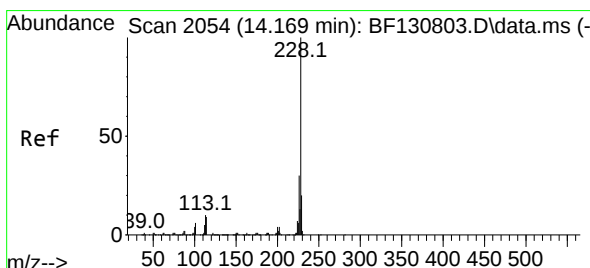
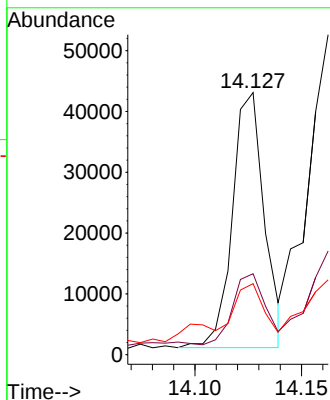
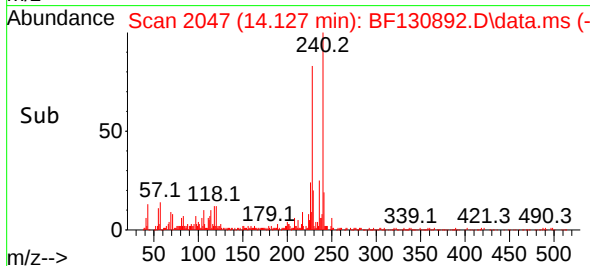
Instrument :
BNA_F
ClientSampleId :
OK-2-102822



Tgt Ion:228 Resp: 43842
Ion Ratio Lower Upper
228 100
226 30.9 21.4 32.2
229 27.1 15.8 23.6

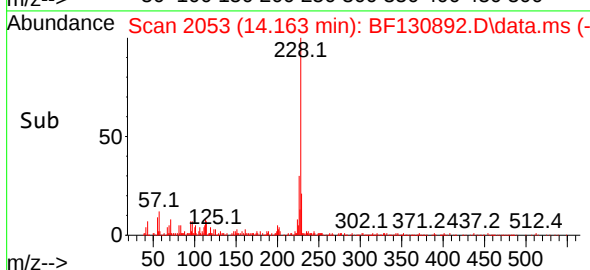
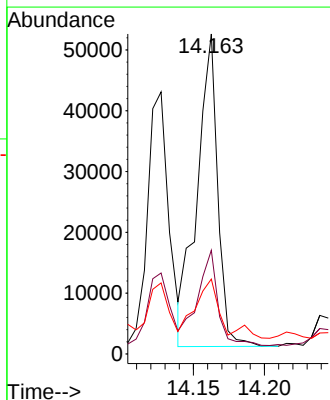
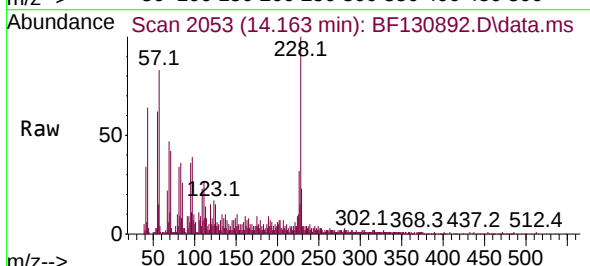
Manual Integrations
APPROVED

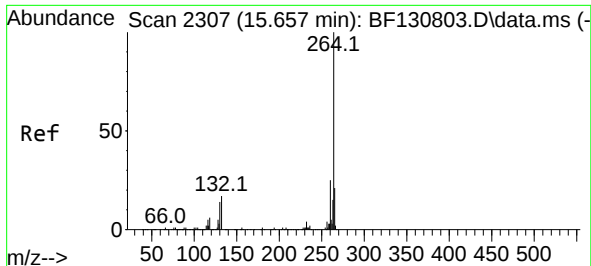
Reviewed By :Christian Giraldo 11/01/2022
Supervised By :Jagrut Upadhyay 11/01/2022



#83
Chrysene
Concen: 6.169 ng
RT: 14.163 min Scan# 2053
Delta R.T. 0.006 min
Lab File: BF130892.D
Acq: 31 Oct 2022 22:03

Tgt Ion:228 Resp: 52106
Ion Ratio Lower Upper
228 100
226 32.4 23.9 35.9
229 23.4 15.8 23.6





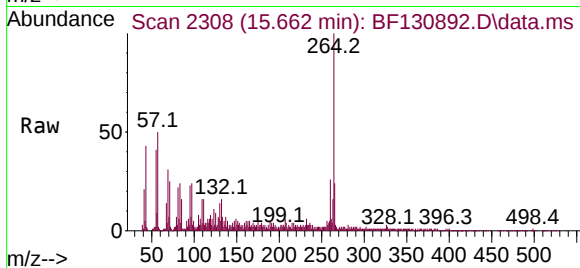
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.662 min Scan# 2307
Delta R.T. 0.018 min
Lab File: BF130892.D
Acq: 31 Oct 2022 22:03

Instrument :

BNA_F

ClientSampleId :

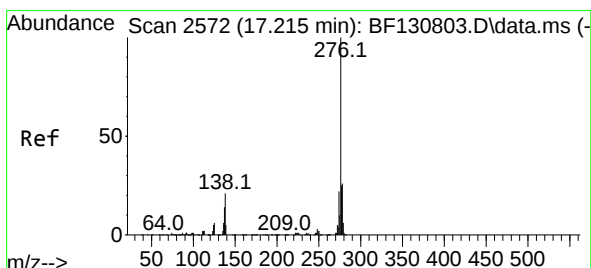
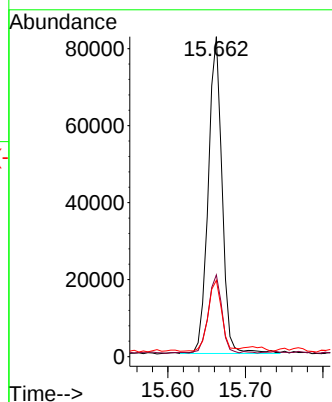
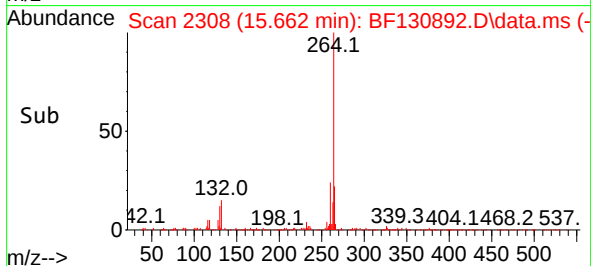
OK-2-102822



Tgt Ion:264 Resp: 102019
Ion Ratio Lower Upper
264 100
260 25.5 19.9 29.9
265 23.8 17.0 25.6

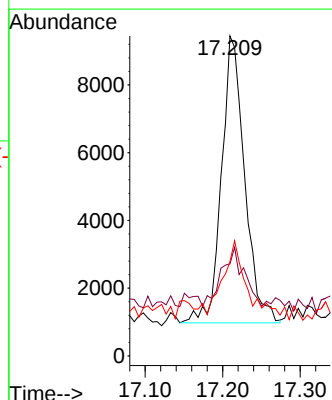
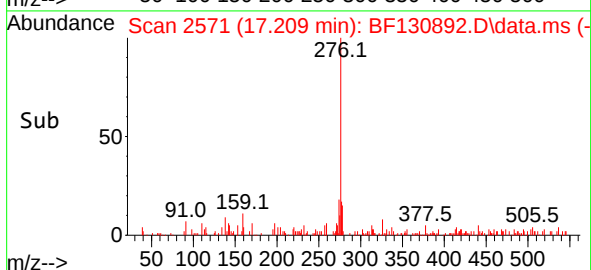
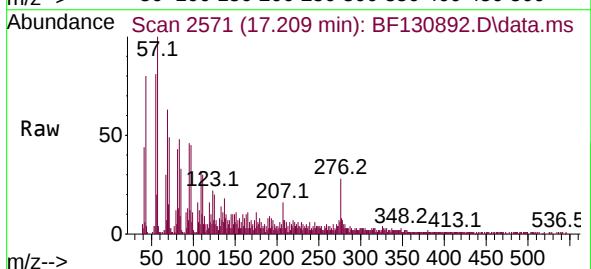
Manual Integrations
APPROVED

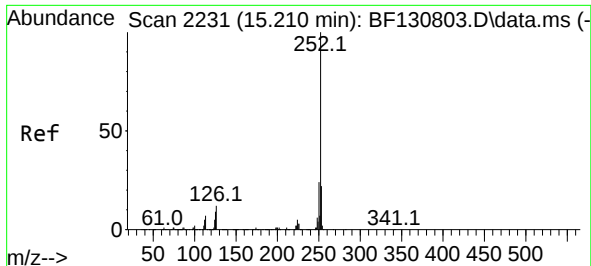
Reviewed By :Christian Giraldo 11/01/2022
Supervised By :Jagrut Upadhyay 11/01/2022



#87
Indeno(1,2,3-cd)pyrene
Concen: 2.600 ng
RT: 17.209 min Scan# 2571
Delta R.T. 0.018 min
Lab File: BF130892.D
Acq: 31 Oct 2022 22:03

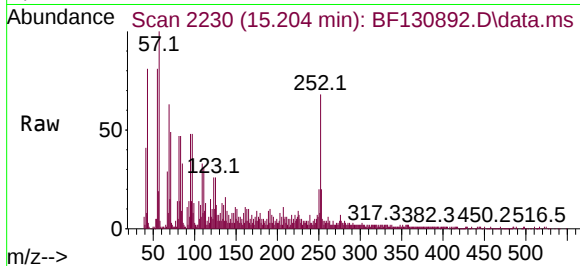
Tgt Ion:276 Resp: 17615
Ion Ratio Lower Upper
276 100
138 21.1 19.1 28.7
277 25.4 20.1 30.1





#88
Benzo(b)fluoranthene
Concen: 6.657 ng m
RT: 15.204 min Scan# 2231
Delta R.T. 0.006 min
Lab File: BF130892.D
Acq: 31 Oct 2022 22:03

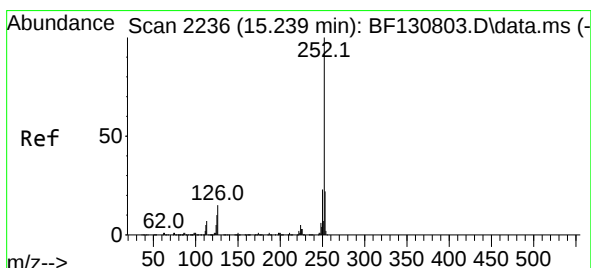
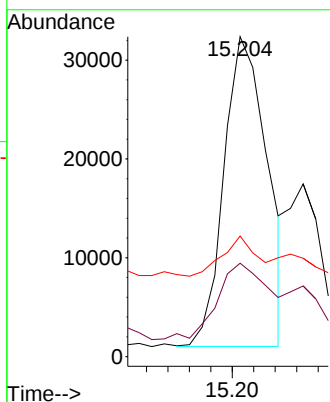
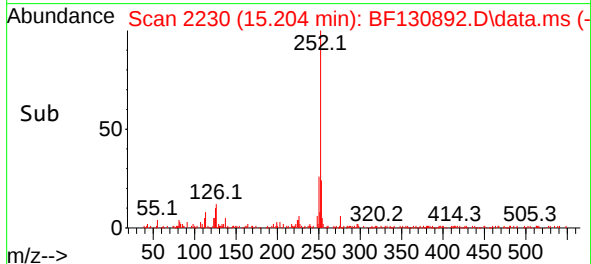
Instrument :
BNA_F
ClientSampleId :
OK-2-102822



Tgt Ion:252 Resp: 43900
Ion Ratio Lower Upper
252 100
253 29.2 17.5 26.3#
125 37.7 7.0 10.4#

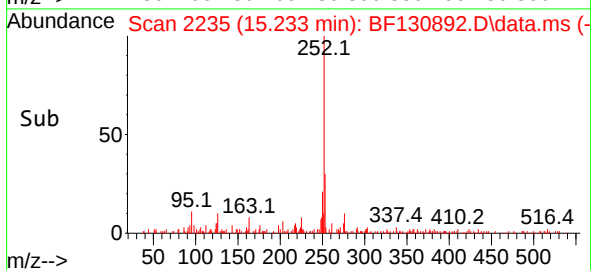
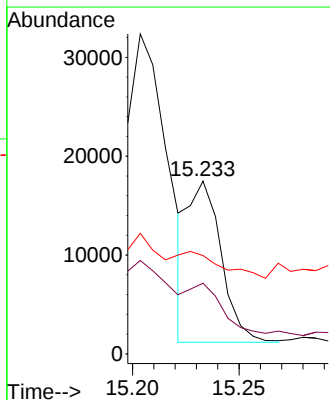
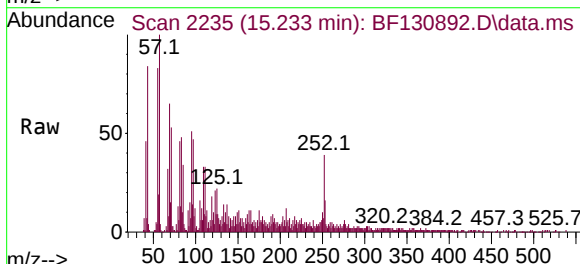
Manual Integrations
APPROVED

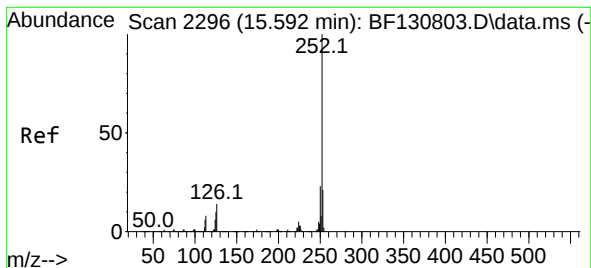
Reviewed By :Christian Giraldo 11/01/2022
Supervised By :Jagrut Upadhyay 11/01/2022



#89
Benzo(k)fluoranthene
Concen: 2.766 ng m
RT: 15.233 min Scan# 2235
Delta R.T. 0.006 min
Lab File: BF130892.D
Acq: 31 Oct 2022 22:03

Tgt Ion:252 Resp: 17775
Ion Ratio Lower Upper
252 100
253 40.9 17.5 26.3#
125 56.9 8.0 12.0#





#90

Benzo(a)pyrene

Concen: 5.866 ng

RT: 15.592 min Scan# 2296

Delta R.T. 0.012 min

Lab File: BF130892.D

Acq: 31 Oct 2022 22:03

Instrument :

BNA_F

ClientSampleId :

OK-2-102822

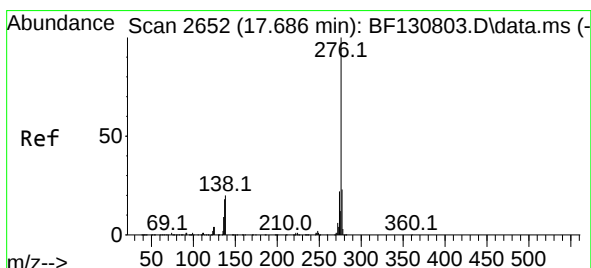
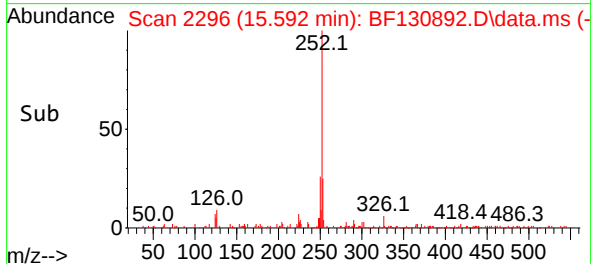
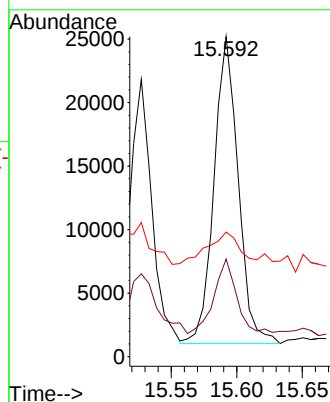
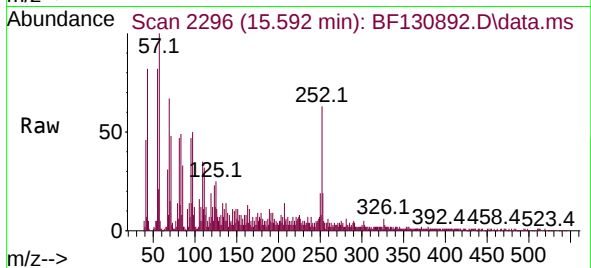
Tgt Ion:	252	Resp:	31096
Ion Ratio	Lower	Upper	
252	100		
253	30.5	16.8	25.2#
125	38.9	8.3	12.5#

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 11/01/2022

Supervised By :Jagrut Upadhyay 11/01/2022



#92

Benzo(g,h,i)perylene

Concen: 3.402 ng

RT: 17.686 min Scan# 2652

Delta R.T. 0.018 min

Lab File: BF130892.D

Acq: 31 Oct 2022 22:03

Tgt Ion:	276	Resp:	19171
Ion Ratio	Lower	Upper	
276	100		
277	34.2	18.8	28.2#
138	34.4	16.3	24.5#

