

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082622\
 Data File : BF130022.D
 Acq On : 26 Aug 2022 16:48
 Operator : CG\JU
 Sample : N4375-01
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-1

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 08/29/2022
 Supervised By : Jagrut Upadhyay 08/29/2022

Quant Time: Aug 27 06:09:34 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 25 14:45:09 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.745	152	125074	20.000	ng	-0.01
21) Naphthalene-d8	8.028	136	479164	20.000	ng	-0.01
39) Acenaphthene-d10	9.780	164	230511	20.000	ng	-0.01
64) Phenanthrene-d10	11.269	188	317668	20.000	ng	-0.01
76) Chrysene-d12	13.921	240	207651	20.000	ng	0.00
86) Perylene-d12	15.368	264	234202	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.387	112	758998	100.474	ng	0.00
7) Phenol-d6	6.410	99	931263	98.443	ng	-0.01
23) Nitrobenzene-d5	7.322	82	615225	68.732	ng	-0.01
42) 2,4,6-Tribromophenol	10.580	330	193073	83.454	ng	0.00
45) 2-Fluorobiphenyl	9.104	172	1079106	71.101	ng	-0.01
79) Terphenyl-d14	12.851	244	702595	56.300	ng	-0.01
Target Compounds						Qvalue
71) Phenanthrene	11.292	178	119158	6.716	ng	99
75) Fluoranthene	12.486	202	190397	10.487	ng	99
78) Pyrene	12.716	202	169175	9.375	ng	100
81) Benzo(a)anthracene	13.910	228	111315	7.793	ng	99
83) Chrysene	13.945	228	100939	7.549	ng	98
87) Indeno(1,2,3-cd)pyrene	16.809	276	58253	3.623	ng	96
88) Benzo(b)fluoranthene	14.951	252	145248m	9.057	ng	
89) Benzo(k)fluoranthene	14.974	252	44992m	2.925	ng	
90) Benzo(a)pyrene	15.309	252	98509	7.800	ng	98
92) Benzo(g,h,i)perylene	17.256	276	54886	4.147	ng	96

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

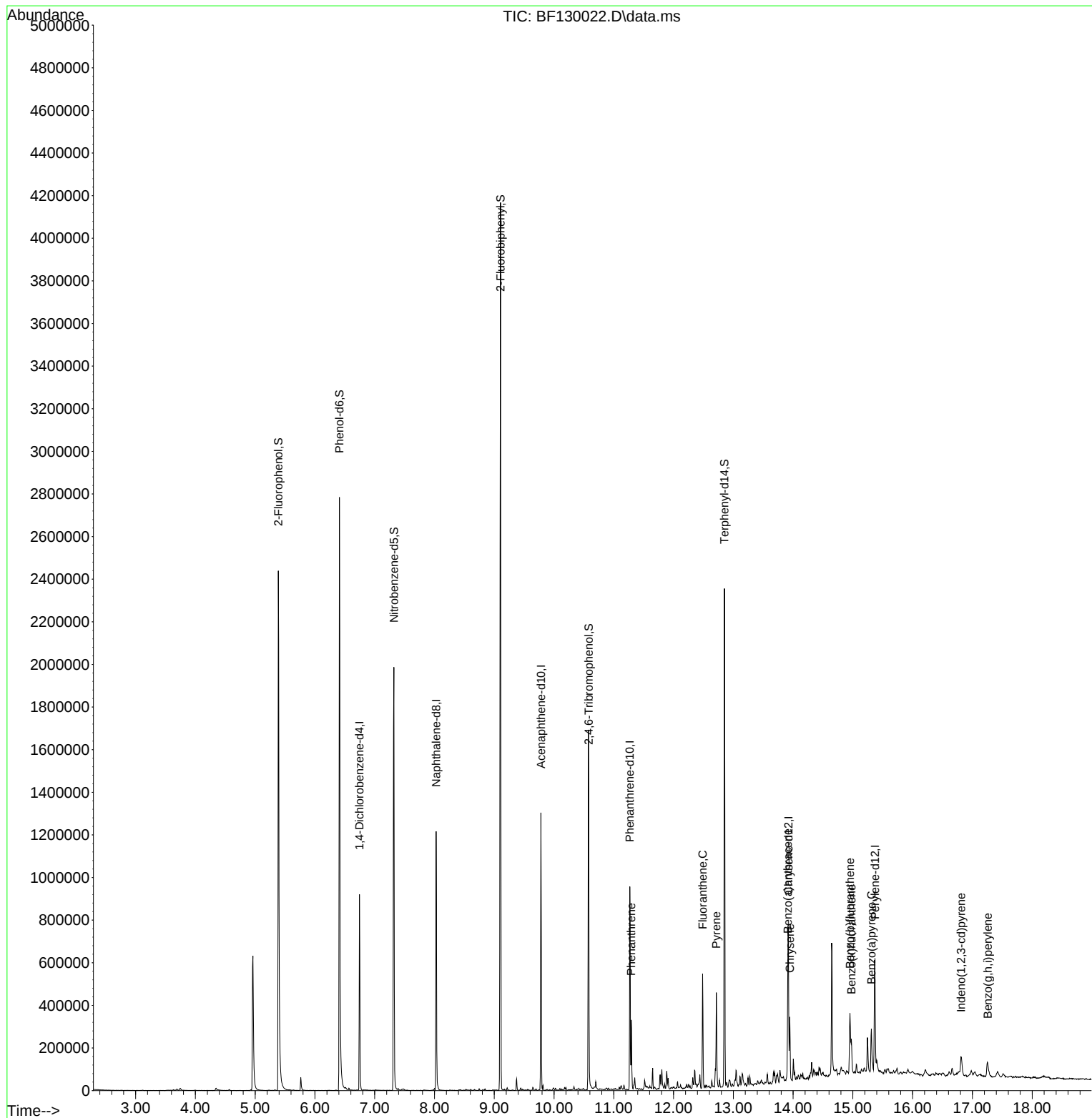
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082622\
Data File : BF130022.D
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ALS Vial : 11 Sample Multiplier: 1

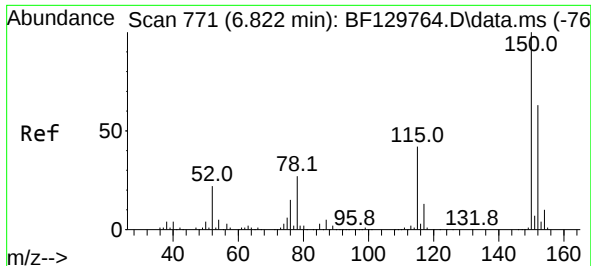
Instrument :
BNA_F
ClientSampleId :
WC-1

Quant Time: Aug 27 06:09:34 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081422.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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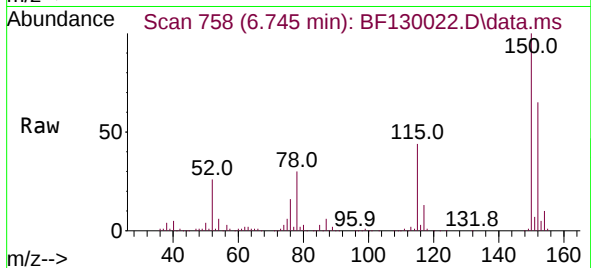
Reviewed By :Christian Giraldo 08/29/2022
Supervised By :Jagrut Upadhyay 08/29/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.745 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF130022.D
Acq: 26 Aug 2022 16:48

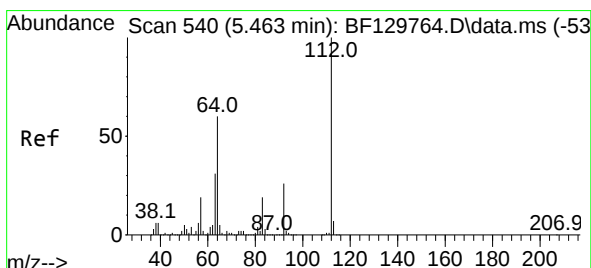
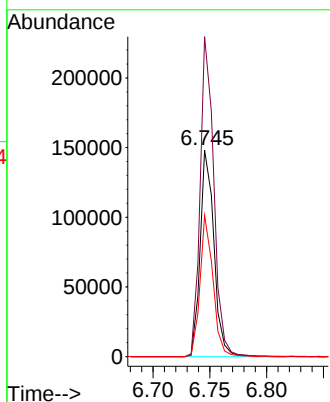
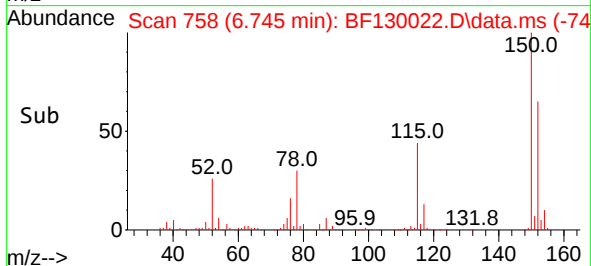
Instrument :
BNA_F
ClientSampleId :
WC-1



Tgt Ion:152 Resp: 125074
Ion Ratio Lower Upper
152 100
150 154.9 126.9 190.3
115 68.3 53.4 80.0

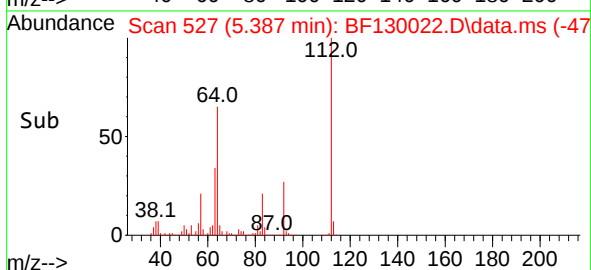
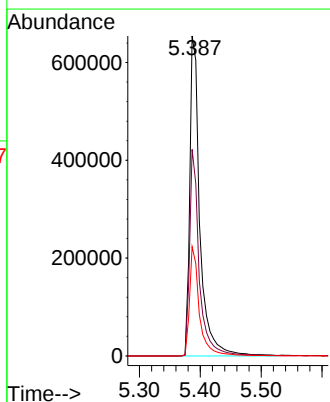
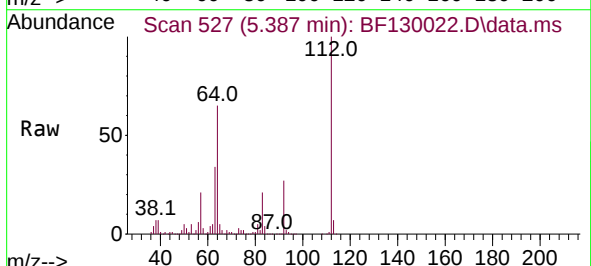
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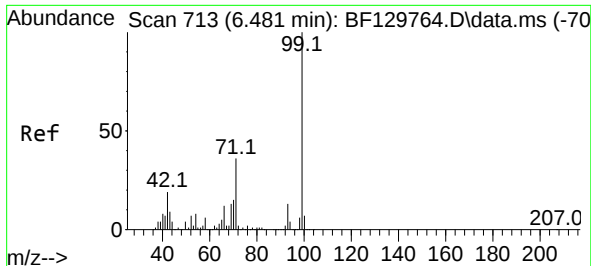
Reviewed By :Christian Giraldo 08/29/2022
Supervised By :Jagrut Upadhyay 08/29/2022



#5
2-Fluorophenol
Concen: 100.474 ng
RT: 5.387 min Scan# 527
Delta R.T. -0.006 min
Lab File: BF130022.D
Acq: 26 Aug 2022 16:48

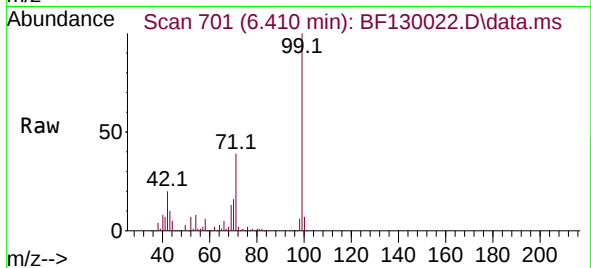
Tgt Ion:112 Resp: 758998
Ion Ratio Lower Upper
112 100
64 64.5 47.6 71.4
63 34.1 24.6 37.0





#7
Phenol-d6
Concen: 98.443 ng
RT: 6.410 min Scan# 70
Delta R.T. -0.012 min
Lab File: BF130022.D
Acq: 26 Aug 2022 16:48

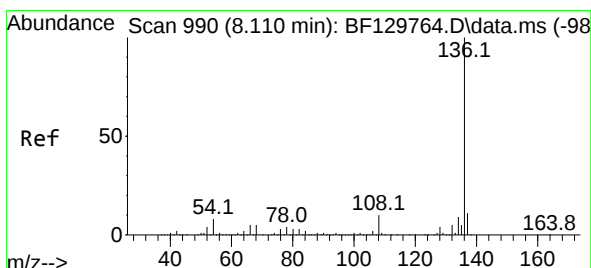
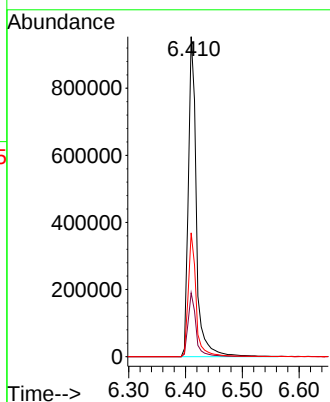
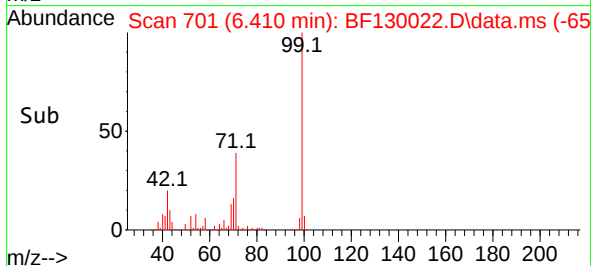
Instrument :
BNA_F
ClientSampleId :
WC-1



Tgt Ion: 99 Resp: 931263
Ion Ratio Lower Upper
99 100
42 19.9 15.0 22.4
71 38.7 28.8 43.2

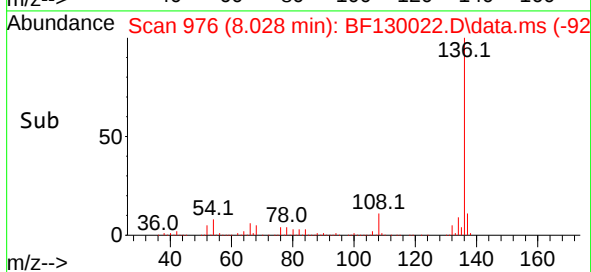
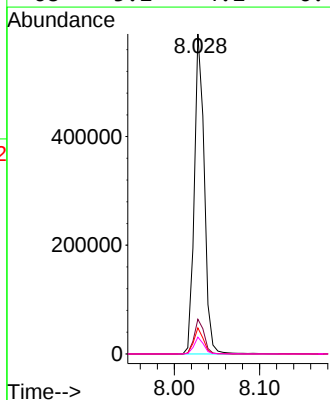
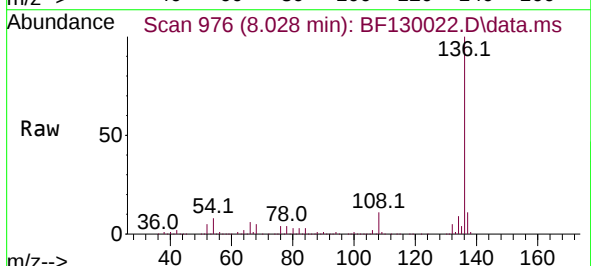
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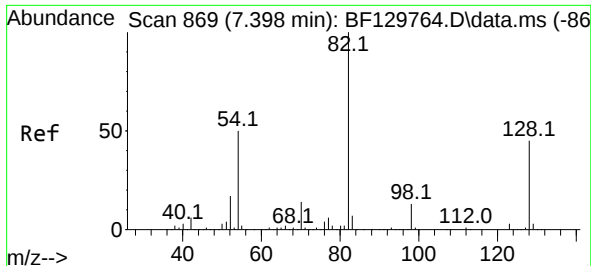
Reviewed By :Christian Giraldo 08/29/2022
Supervised By :Jagrut Upadhyay 08/29/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.028 min Scan# 976
Delta R.T. -0.012 min
Lab File: BF130022.D
Acq: 26 Aug 2022 16:48

Tgt Ion:136 Resp: 479164
Ion Ratio Lower Upper
136 100
137 10.8 8.4 12.6
54 8.1 6.2 9.2
68 5.2 4.2 6.4





#23

Nitrobenzene-d5

Concen: 68.732 ng

RT: 7.322 min Scan# 81

Delta R.T. -0.012 min

Lab File: BF130022.D

Acq: 26 Aug 2022 16:48

Instrument :

BNA_F

ClientSampleId :

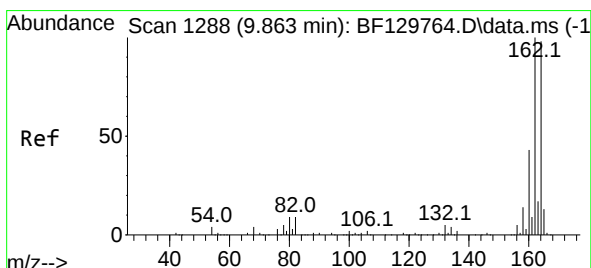
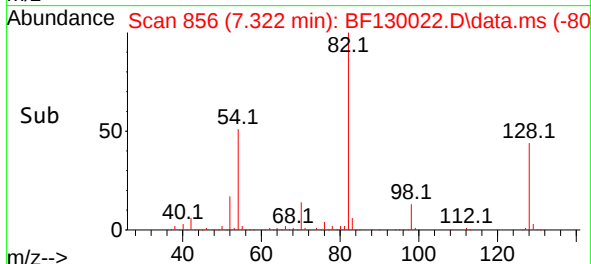
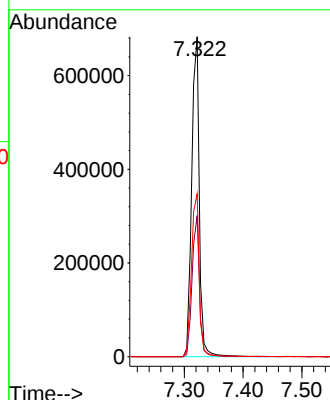
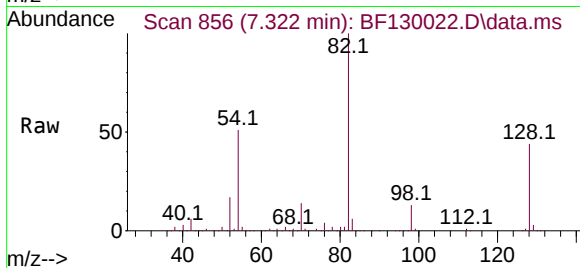
WC-1

Tgt Ion: 82 Resp: 615225
 Ion Ratio Lower Upper
 82 100
 128 44.1 36.1 54.1
 54 50.9 40.0 60.0

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 Supervised By :Jagrut Upadhyay 08/29/2022



#39

Acenaphthene-d10

Concen: 20.000 ng

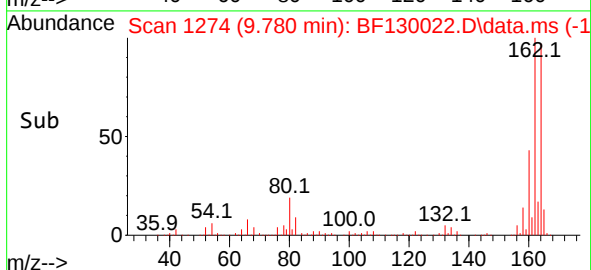
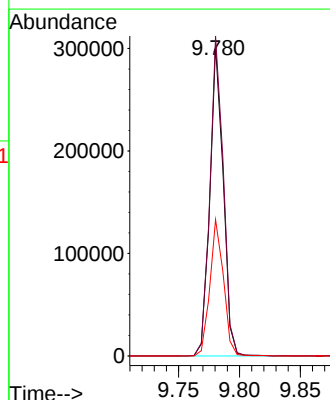
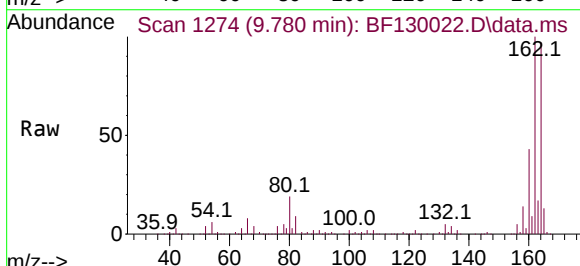
RT: 9.780 min Scan# 1274

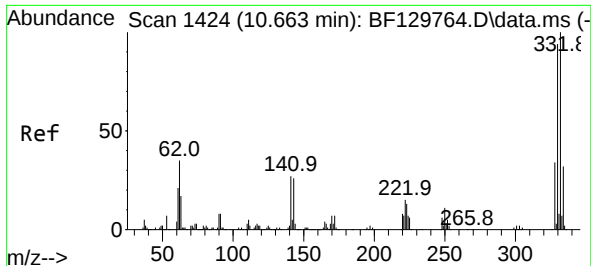
Delta R.T. -0.012 min

Lab File: BF130022.D

Acq: 26 Aug 2022 16:48

Tgt Ion:164 Resp: 230511
 Ion Ratio Lower Upper
 164 100
 162 103.2 82.0 123.0
 160 43.9 35.4 53.0





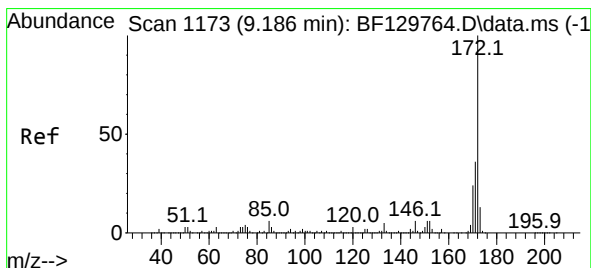
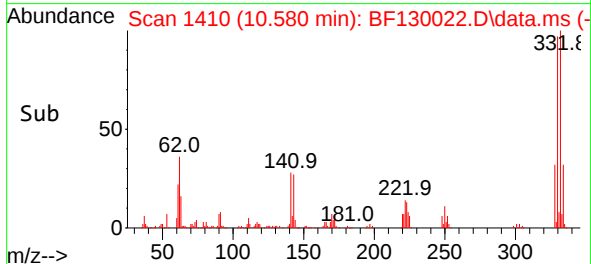
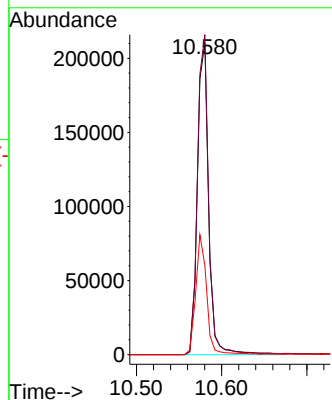
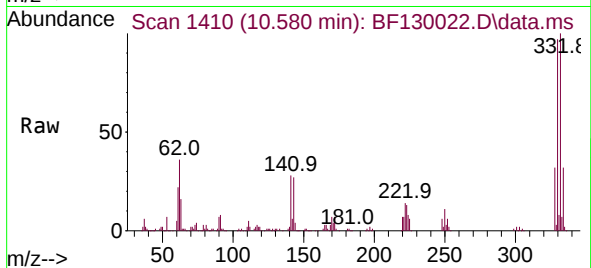
#42
2,4,6-Tribromophenol
Concen: 83.454 ng
RT: 10.580 min Scan# 1424
Delta R.T. -0.006 min
Lab File: BF130022.D
Acq: 26 Aug 2022 16:48

Instrument :
BNA_F
ClientSampleId :
WC-1

Tgt Ion: 330 Resp: 193073
Ion Ratio Lower Upper
330 100
332 102.7 82.6 124.0
141 37.4 27.6 41.4

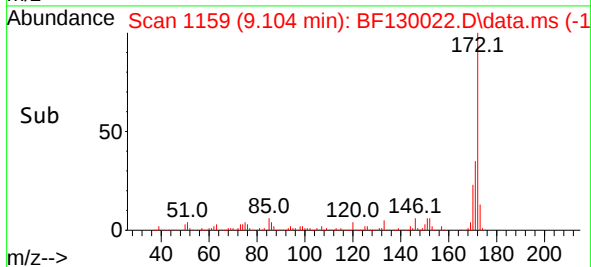
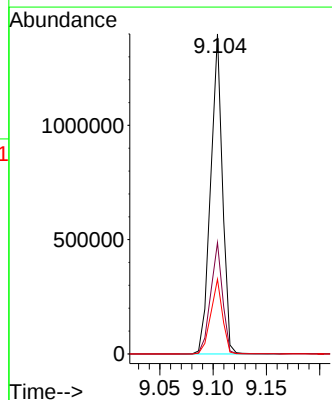
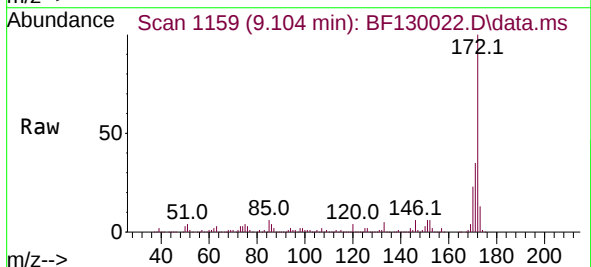
Manual Integrations
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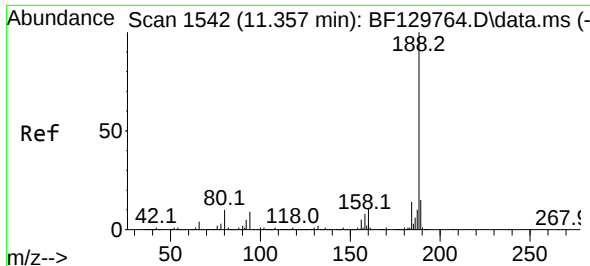
Reviewed By : Christian Giraldo 08/29/2022
Supervised By : Jagrut Upadhyay 08/29/2022



#45
2-Fluorobiphenyl
Concen: 71.101 ng
RT: 9.104 min Scan# 1159
Delta R.T. -0.012 min
Lab File: BF130022.D
Acq: 26 Aug 2022 16:48

Tgt Ion: 172 Resp: 1079106
Ion Ratio Lower Upper
172 100
171 34.8 28.4 42.6
170 23.3 19.1 28.7





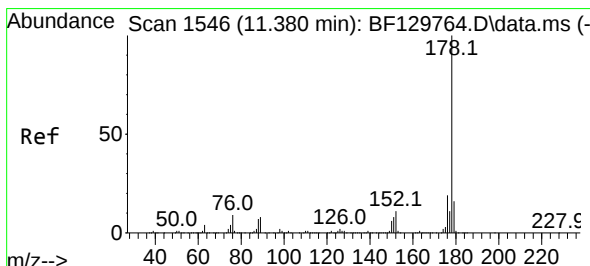
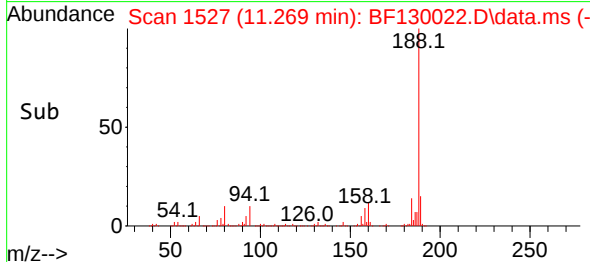
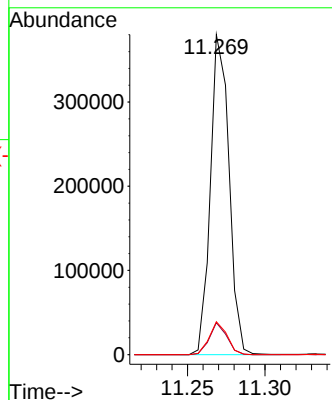
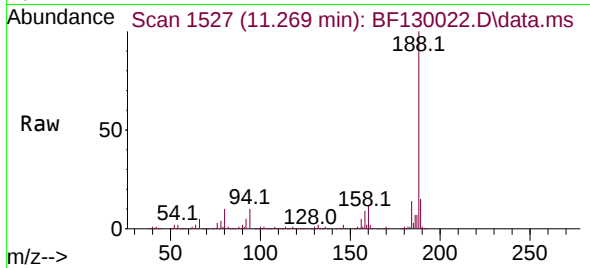
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.269 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF130022.D
Acq: 26 Aug 2022 16:48

Instrument :
BNA_F
ClientSampleId :
WC-1

Tgt Ion:188 Resp: 317668
Ion Ratio Lower Upper
188 100
94 10.0 7.4 11.2
80 10.3 7.9 11.9

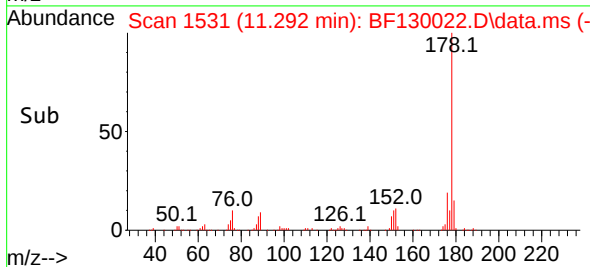
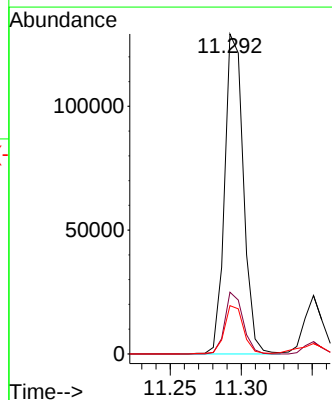
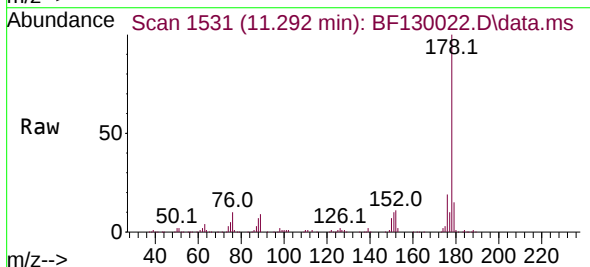
Manual Integrations
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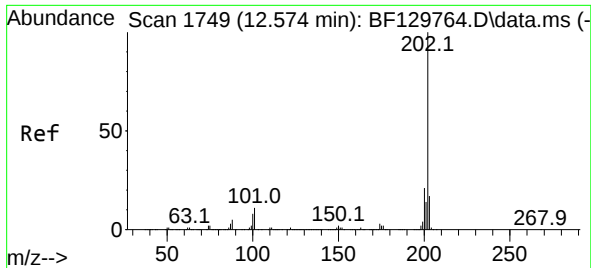
Reviewed By :Christian Giraldo 08/29/2022
Supervised By :Jagrut Upadhyay 08/29/2022



#71
Phenanthrene
Concen: 6.716 ng
RT: 11.292 min Scan# 1531
Delta R.T. -0.012 min
Lab File: BF130022.D
Acq: 26 Aug 2022 16:48

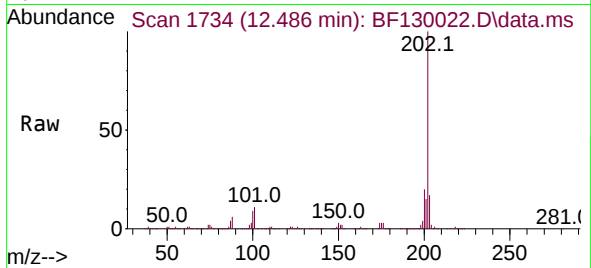
Tgt Ion:178 Resp: 119158
Ion Ratio Lower Upper
178 100
176 19.3 15.5 23.3
179 15.1 12.5 18.7





#75
Fluoranthene
Concen: 10.487 ng
RT: 12.486 min Scan# 1749
Delta R.T. -0.012 min
Lab File: BF130022.D
Acq: 26 Aug 2022 16:48

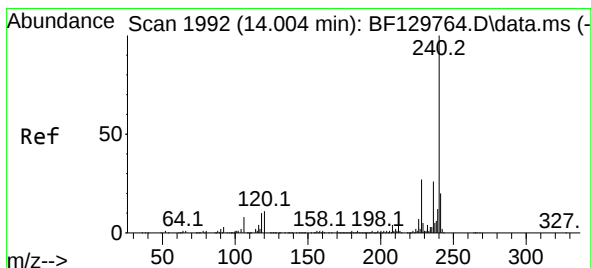
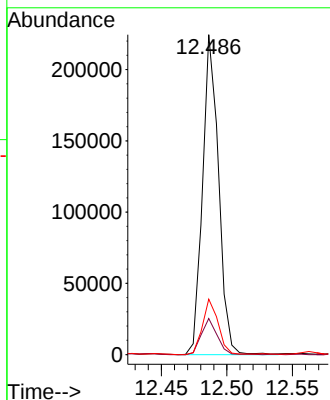
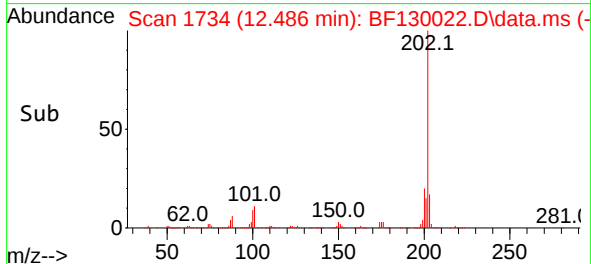
Instrument :
BNA_F
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WC-1



Tgt Ion:202 Resp: 190397
Ion Ratio Lower Upper
202 100
101 11.3 0.0 30.7
203 17.3 0.0 37.5

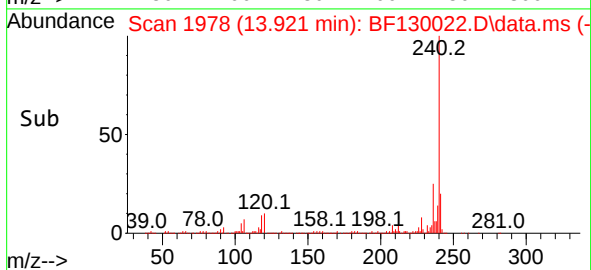
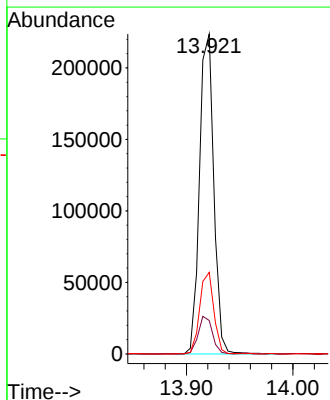
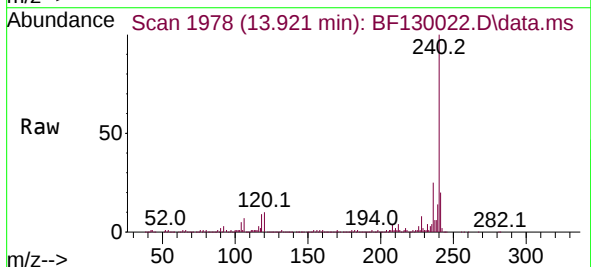
Manual Integrations
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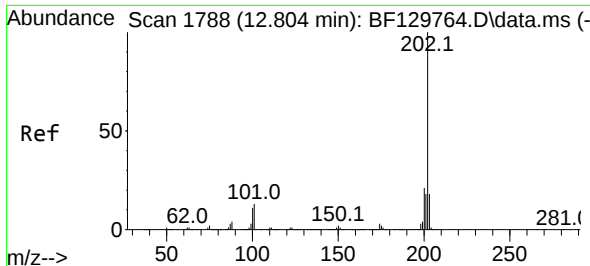
Reviewed By :Christian Giraldo 08/29/2022
Supervised By :Jagrut Upadhyay 08/29/2022



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.921 min Scan# 1978
Delta R.T. -0.006 min
Lab File: BF130022.D
Acq: 26 Aug 2022 16:48

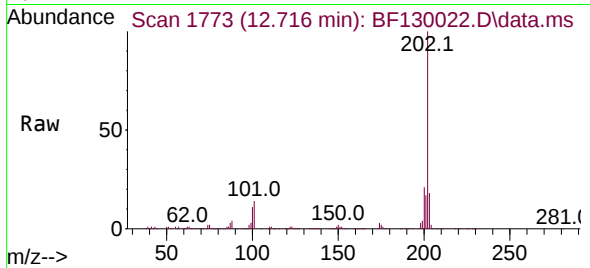
Tgt Ion:240 Resp: 207651
Ion Ratio Lower Upper
240 100
120 10.4 9.2 13.8
236 25.5 20.7 31.1





#78
Pyrene
Concen: 9.375 ng
RT: 12.716 min Scan# 1773
Delta R.T. -0.012 min
Lab File: BF130022.D
Acq: 26 Aug 2022 16:48

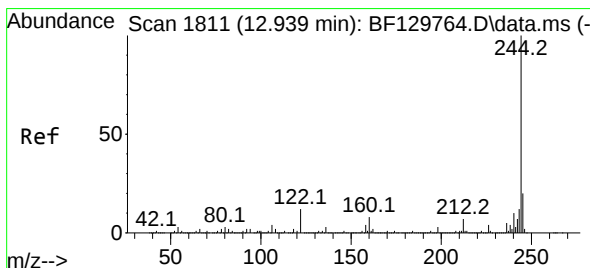
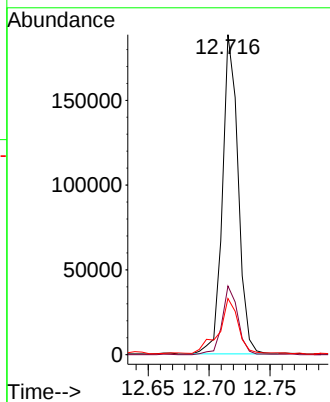
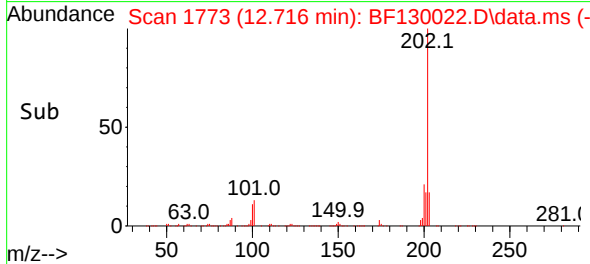
Instrument :
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WC-1



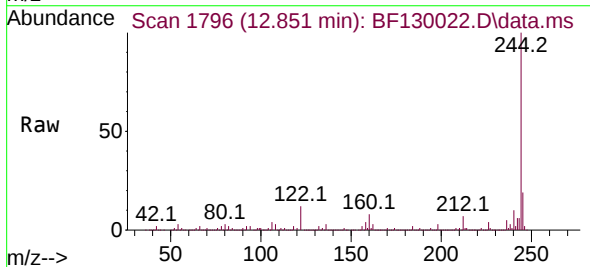
Tgt Ion:202 Resp: 169175
Ion Ratio Lower Upper
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200 21.4 17.0 25.6
203 17.5 14.1 21.1

Manual Integrations
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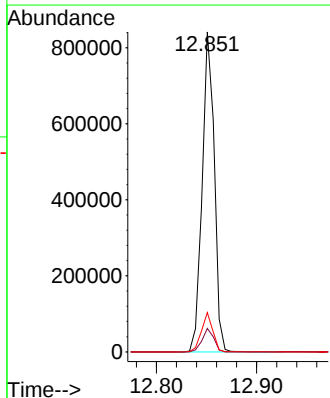
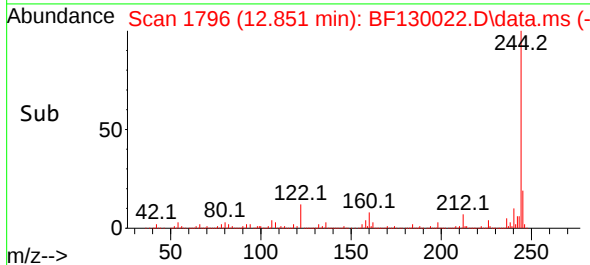
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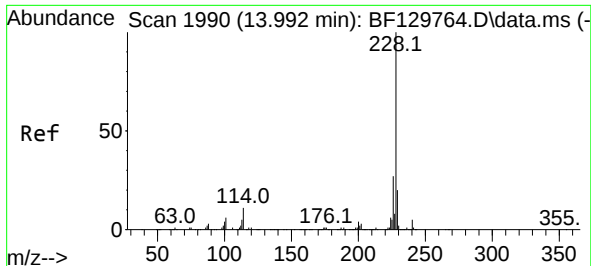


#79
Terphenyl-d14
Concen: 56.300 ng
RT: 12.851 min Scan# 1796
Delta R.T. -0.012 min
Lab File: BF130022.D
Acq: 26 Aug 2022 16:48



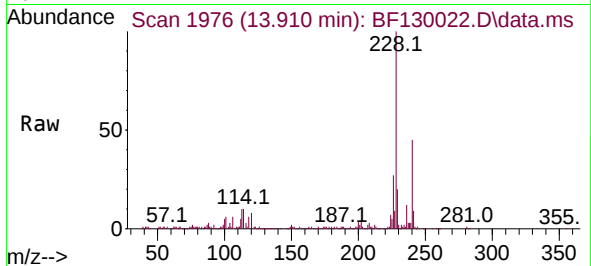
Tgt Ion:244 Resp: 702595
Ion Ratio Lower Upper
244 100
212 7.3 5.9 8.9
122 12.3 9.9 14.9





#81
Benzo(a)anthracene
Concen: 7.793 ng
RT: 13.910 min Scan# 1990
Delta R.T. -0.006 min
Lab File: BF130022.D
Acq: 26 Aug 2022 16:48

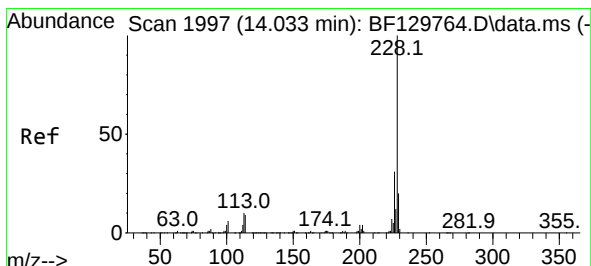
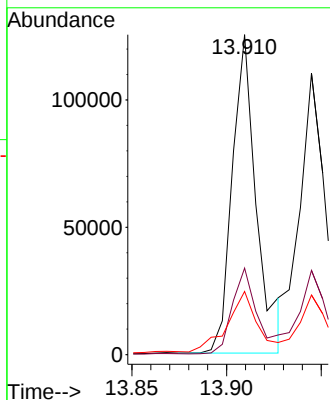
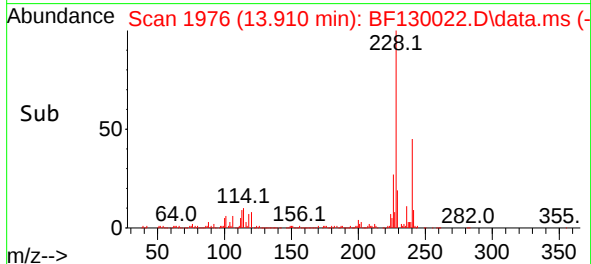
Instrument :
BNA_F
ClientSampleId :
WC-1



Tgt Ion:228 Resp: 111315
Ion Ratio Lower Upper
228 100
226 27.0 21.4 32.0
229 19.7 16.1 24.1

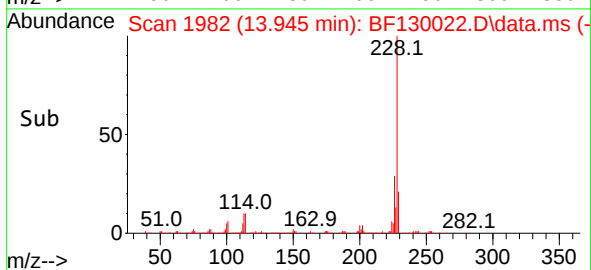
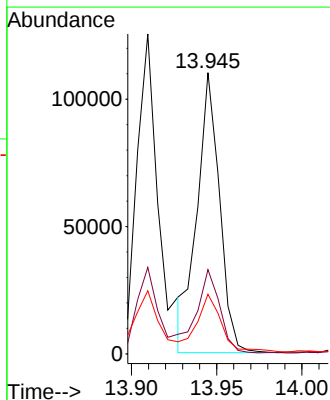
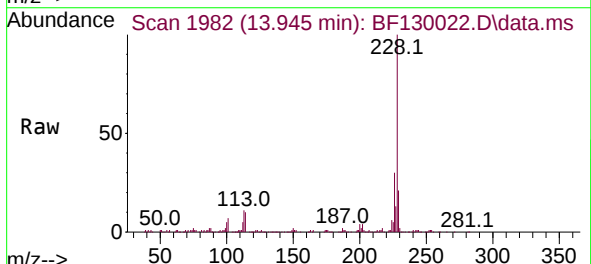
Manual Integrations
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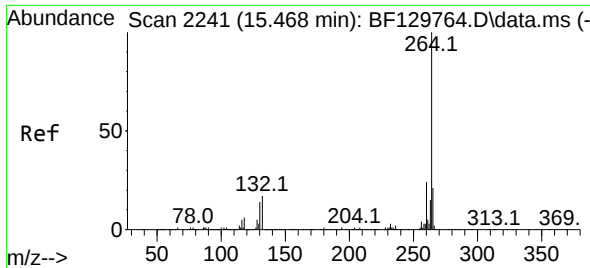
Reviewed By :Christian Giraldo 08/29/2022
Supervised By :Jagrut Upadhyay 08/29/2022



#83
Chrysene
Concen: 7.549 ng
RT: 13.945 min Scan# 1982
Delta R.T. -0.006 min
Lab File: BF130022.D
Acq: 26 Aug 2022 16:48

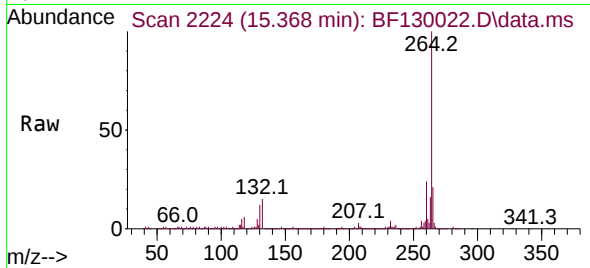
Tgt Ion:228 Resp: 100939
Ion Ratio Lower Upper
228 100
226 30.0 24.4 36.6
229 21.2 15.9 23.9





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.368 min Scan# 21
Delta R.T. -0.000 min
Lab File: BF130022.D
Acq: 26 Aug 2022 16:48

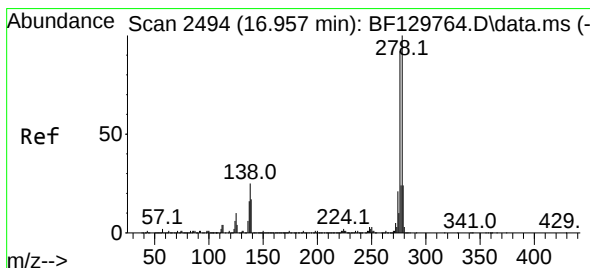
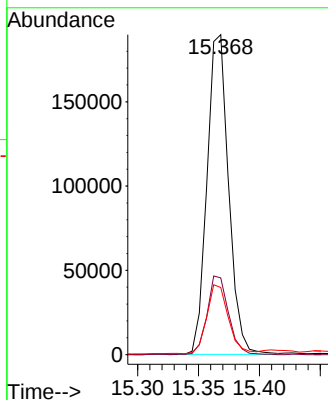
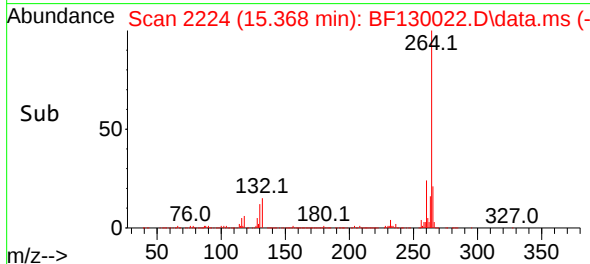
Instrument :
BNA_F
ClientSampleId :
WC-1



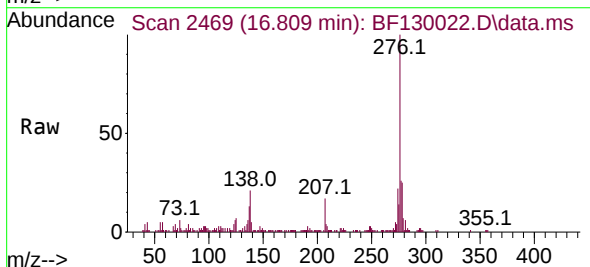
Tgt Ion:264 Resp: 23420
Ion Ratio Lower Upper
264 100
260 24.0 19.1 28.7
265 21.0 16.7 25.1

Manual Integrations
APPROVED

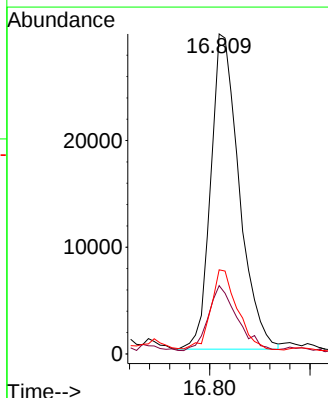
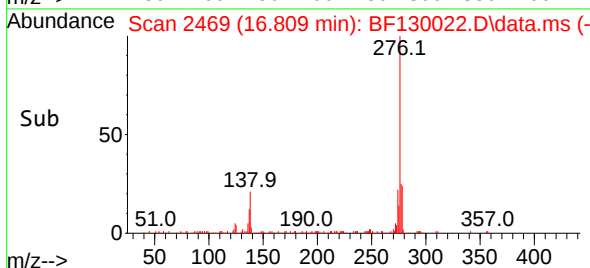
Reviewed By :Christian Giraldo 08/29/2022
Supervised By :Jagrut Upadhyay 08/29/2022

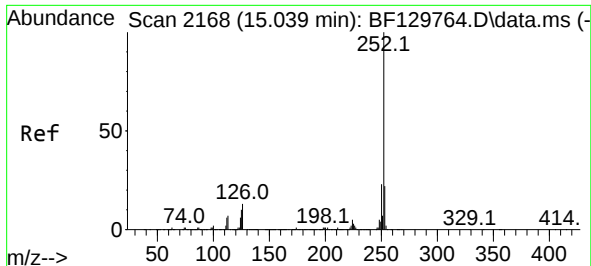


#87
Indeno(1,2,3-cd)pyrene
Concen: 3.623 ng
RT: 16.809 min Scan# 2469
Delta R.T. -0.006 min
Lab File: BF130022.D
Acq: 26 Aug 2022 16:48



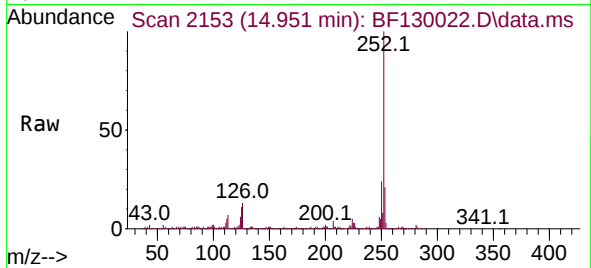
Tgt Ion:276 Resp: 58253
Ion Ratio Lower Upper
276 100
138 21.5 19.8 29.8
277 24.6 20.4 30.6





#88
Benzo(b)fluoranthene
Concen: 9.057 ng m
RT: 14.951 min Scan# 2168
Delta R.T. -0.000 min
Lab File: BF130022.D
Acq: 26 Aug 2022 16:48

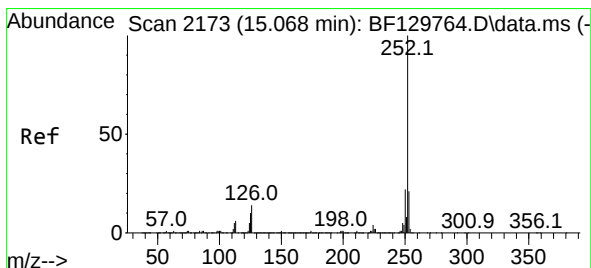
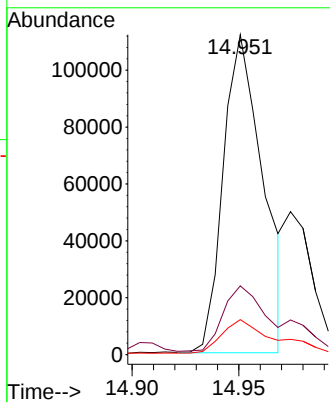
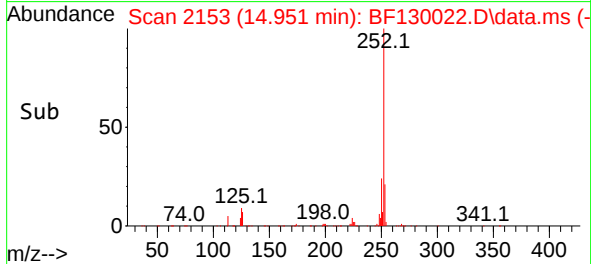
Instrument :
BNA_F
ClientSampleId :
WC-1



Tgt Ion:252 Resp: 145248
Ion Ratio Lower Upper
252 100
253 21.5 17.5 26.3
125 10.9 8.3 12.5

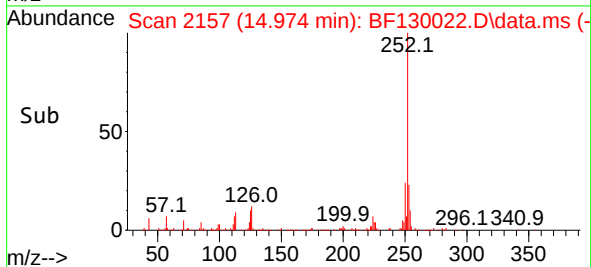
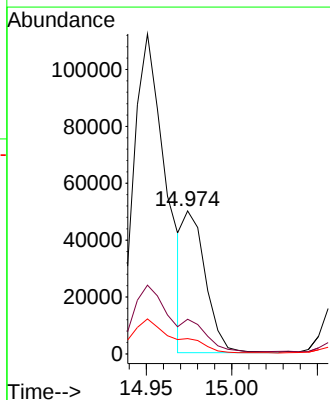
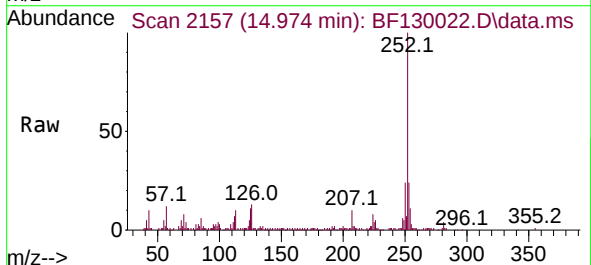
Manual Integrations
APPROVED

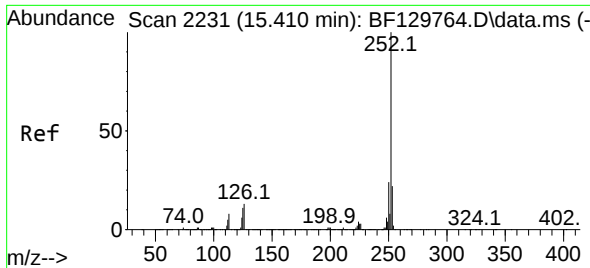
Reviewed By :Christian Giraldo 08/29/2022
Supervised By :Jagrut Upadhyay 08/29/2022



#89
Benzo(k)fluoranthene
Concen: 2.925 ng m
RT: 14.974 min Scan# 2157
Delta R.T. -0.006 min
Lab File: BF130022.D
Acq: 26 Aug 2022 16:48

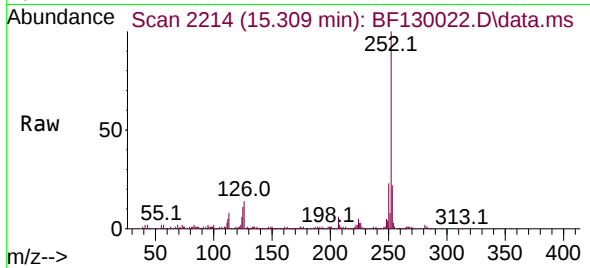
Tgt Ion:252 Resp: 44992
Ion Ratio Lower Upper
252 100
253 24.2 17.1 25.7
125 10.7 8.3 12.5





#90
Benzo(a)pyrene
Concen: 7.800 ng
RT: 15.309 min Scan# 21
Delta R.T. -0.000 min
Lab File: BF130022.D
Acq: 26 Aug 2022 16:48

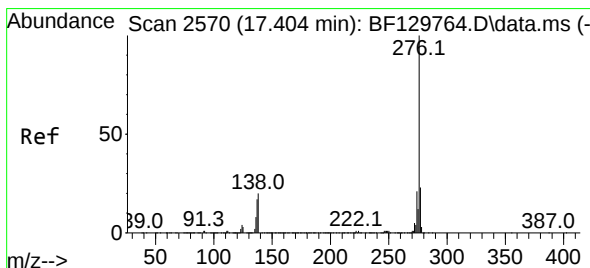
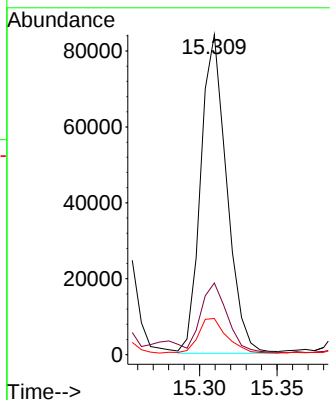
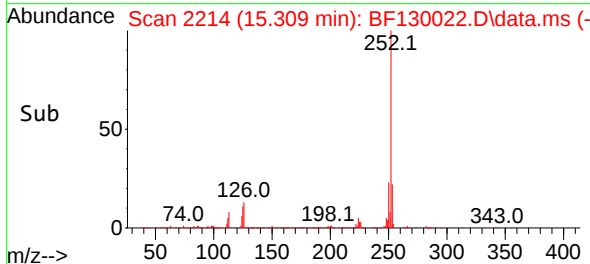
Instrument :
BNA_F
ClientSampleId :
WC-1



Tgt Ion:252 Resp: 98509
Ion Ratio Lower Upper
252 100
253 22.4 17.2 25.8
125 11.3 8.8 13.2

Manual Integrations
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Reviewed By :Christian Giraldo 08/29/2022
Supervised By :Jagrut Upadhyay 08/29/2022



#92
Benzo(g,h,i)perylene
Concen: 4.147 ng
RT: 17.256 min Scan# 2545
Delta R.T. 0.012 min
Lab File: BF130022.D
Acq: 26 Aug 2022 16:48

Tgt Ion:276 Resp: 54886
Ion Ratio Lower Upper
276 100
277 26.1 18.2 27.4
138 20.2 15.8 23.8

