

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051222\
 Data File : BF128219.D
 Acq On : 12 May 2022 15:11
 Operator : CG\JU
 Sample : N2802-01
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SHALLOW-WC-1

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 05/13/2022
 Supervised By : Jagrut Upadhyay 05/13/2022

Quant Time: May 13 05:15:02 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050922.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon May 09 15:30:11 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.892	152	72739	20.000	ng	0.00
21) Naphthalene-d8	8.175	136	275753	20.000	ng	0.00
39) Acenaphthene-d10	9.933	164	153082	20.000	ng	0.00
64) Phenanthrene-d10	11.427	188	249332	20.000	ng	# 0.00
76) Chrysene-d12	14.074	240	153449	20.000	ng	0.00
86) Perylene-d12	15.574	264	166620	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.522	112	479711	105.133	ng	0.00
7) Phenol-d6	6.528	99	622708	103.180	ng	0.00
23) Nitrobenzene-d5	7.457	82	452179	73.785	ng	0.00
42) 2,4,6-Tribromophenol	10.728	330	168434	95.937	ng	0.00
45) 2-Fluorobiphenyl	9.251	172	715933	73.177	ng	0.00
79) Terphenyl-d14	13.010	244	611676	74.797	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.451	178	108745	8.759	ng	99
75) Fluoranthene	12.639	202	183589	13.640	ng	97
78) Pyrene	12.874	202	174483	15.682	ng	98
81) Benzo(a)anthracene	14.063	228	89012	9.082	ng	98
83) Chrysene	14.098	228	72173	7.717	ng	98
87) Indeno(1,2,3-cd)pyrene	17.086	276	52609	5.220	ng	# 93
88) Benzo(b)fluoranthene	15.127	252	101974m	9.873	ng	
89) Benzo(k)fluoranthene	15.157	252	34870m	3.420	ng	
90) Benzo(a)pyrene	15.504	252	79209	9.499	ng	98
92) Benzo(g,h,i)perylene	17.551	276	50041	6.057	ng	93

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

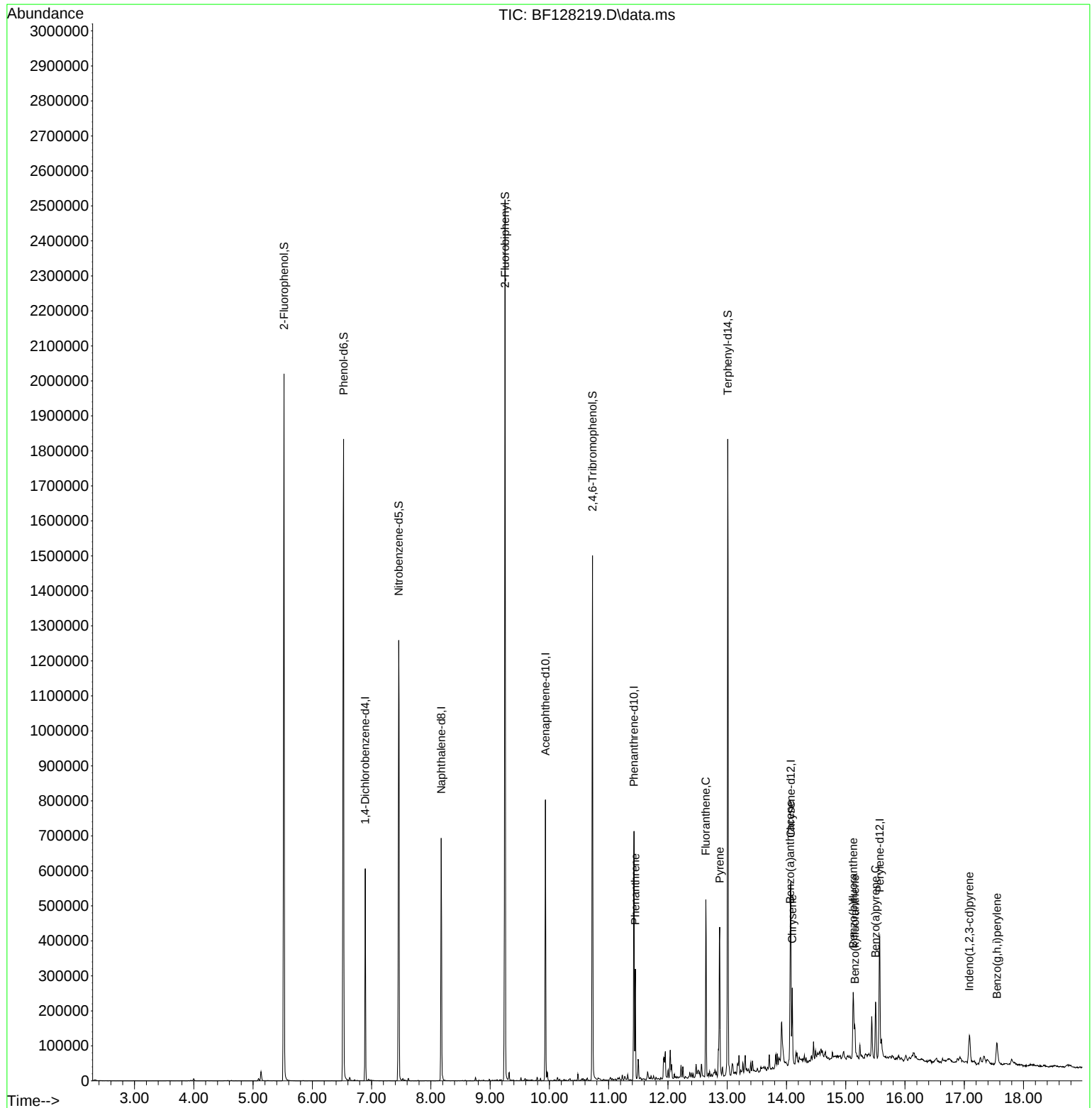
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051222\
Data File : BF128219.D
Acq On : 12 May 2022 15:11
Operator : CG\JU
Sample : N2802-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

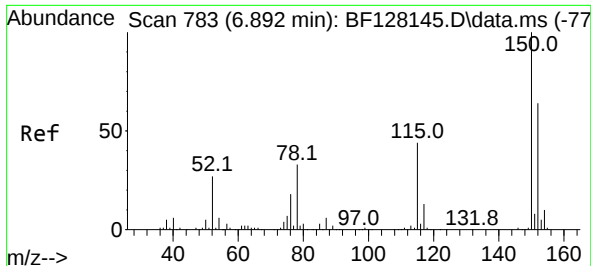
Instrument :
BNA_F
ClientSampleId :
SHALLOW-WC-1

Quant Time: May 13 05:15:02 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050922.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon May 09 15:30:11 2022
Response via : Initial Calibration

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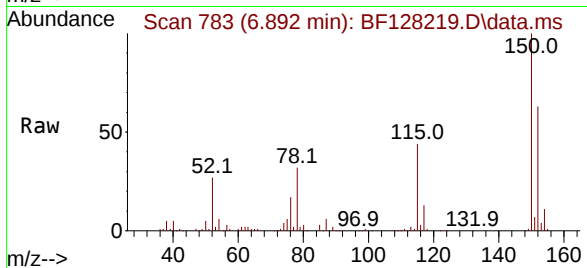
Reviewed By : Christian Giraldo 05/13/2022
Supervised By : Jagrut Upadhyay 05/13/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.892 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF128219.D
Acq: 12 May 2022 15:11

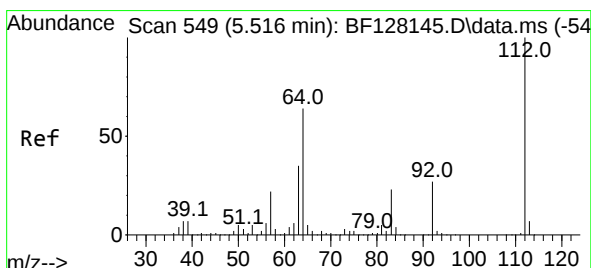
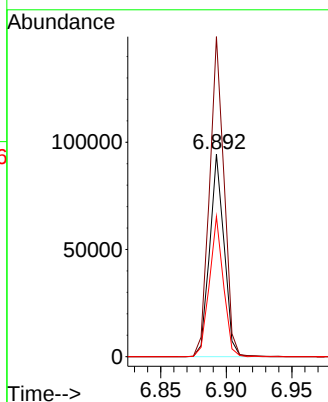
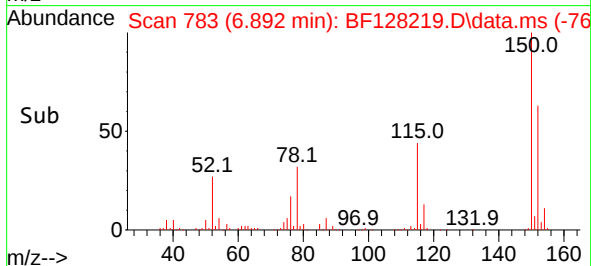
Instrument :
BNA_F
ClientSampleId :
SHALLOW-WC-1



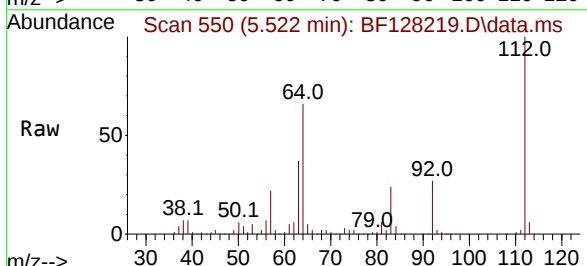
Tgt Ion:152 Resp: 72739
Ion Ratio Lower Upper
152 100
150 157.9 125.3 187.9
115 69.2 48.8 73.2

Manual Integrations
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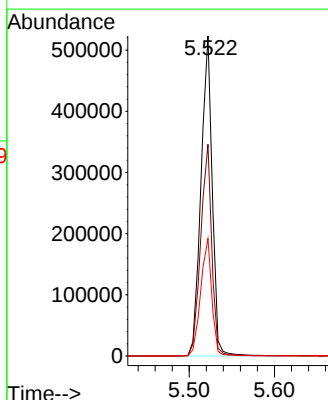
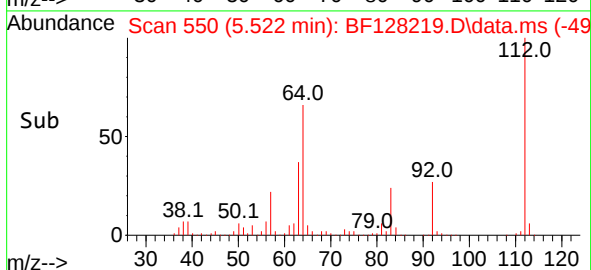
Reviewed By :Christian Giraldo 05/13/2022
Supervised By :Jagrut Upadhyay 05/13/2022

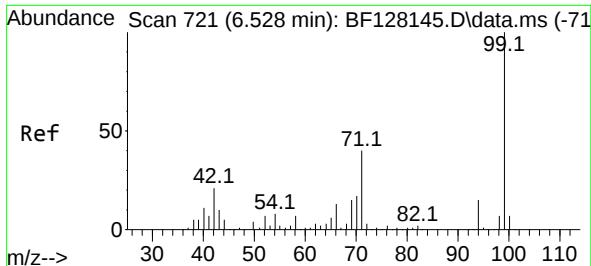


#5
2-Fluorophenol
Concen: 105.133 ng
RT: 5.522 min Scan# 550
Delta R.T. 0.006 min
Lab File: BF128219.D
Acq: 12 May 2022 15:11



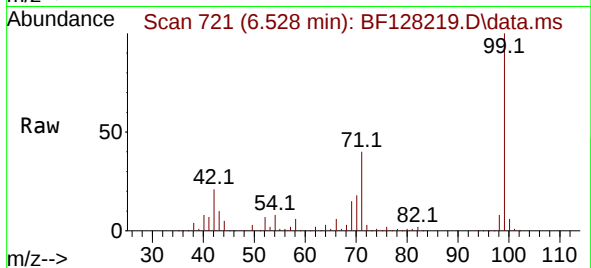
Tgt Ion:112 Resp: 479711
Ion Ratio Lower Upper
112 100
64 66.2 49.5 74.3
63 36.6 26.3 39.5





#7
Phenol-d6
Concen: 103.180 ng
RT: 6.528 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF128219.D
Acq: 12 May 2022 15:11

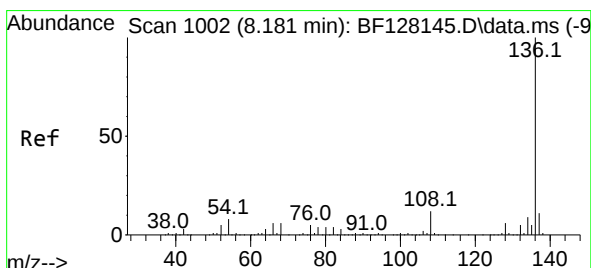
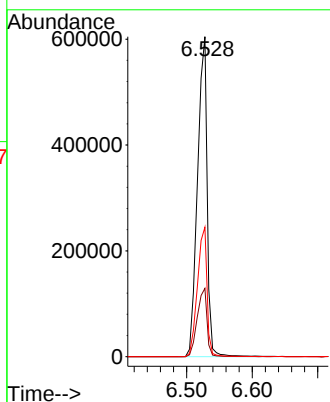
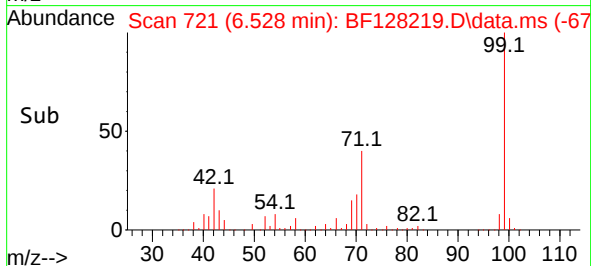
Instrument :
BNA_F
ClientSampleId :
SHALLOW-WC-1



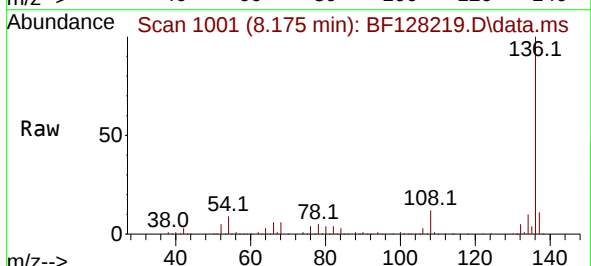
Tgt Ion: 99 Resp: 622708
Ion Ratio Lower Upper
99 100
42 21.3 16.6 24.8
71 40.4 30.0 45.0

Manual Integrations
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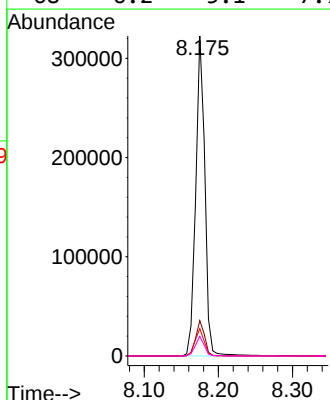
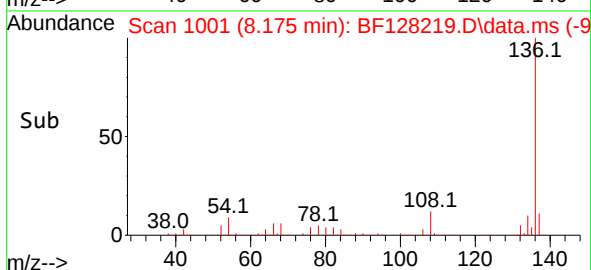
Reviewed By :Christian Giraldo 05/13/2022
Supervised By :Jagrut Upadhyay 05/13/2022

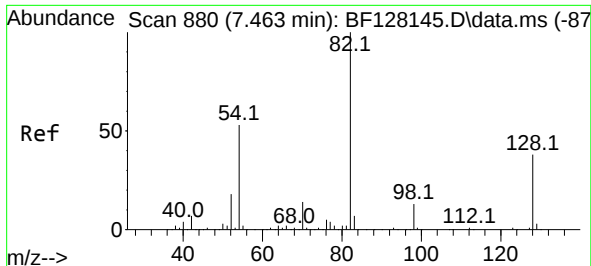


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.175 min Scan# 1001
Delta R.T. -0.006 min
Lab File: BF128219.D
Acq: 12 May 2022 15:11



Tgt Ion:136 Resp: 275753
Ion Ratio Lower Upper
136 100
137 11.0 8.6 13.0
54 8.6 6.8 10.2
68 6.2 5.1 7.7





#23
Nitrobenzene-d5
Concen: 73.785 ng
RT: 7.457 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF128219.D
Acq: 12 May 2022 15:11

Instrument :

BNA_F

ClientSampleId :

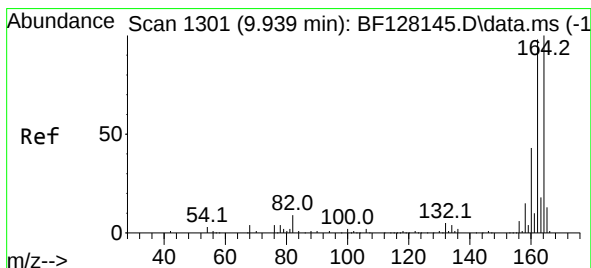
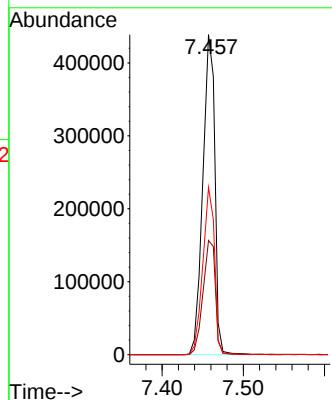
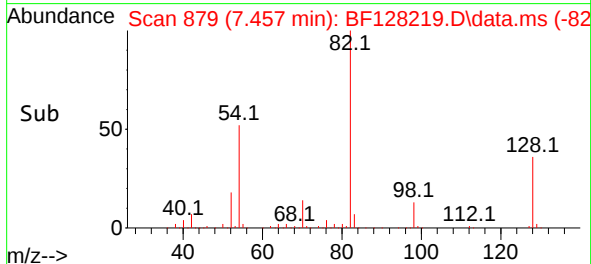
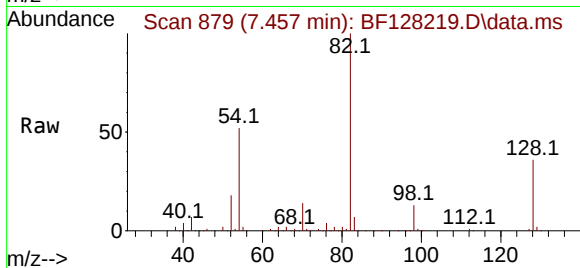
SHALLOW-WC-1

Tgt Ion: 82 Resp: 452179
Ion Ratio Lower Upper
82 100
128 35.7 30.0 45.0
54 52.3 41.3 61.9

Manual Integrations

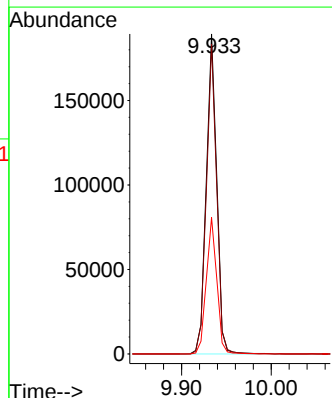
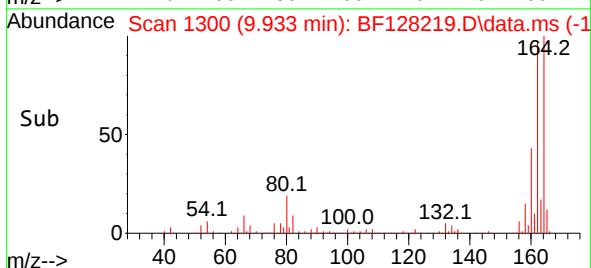
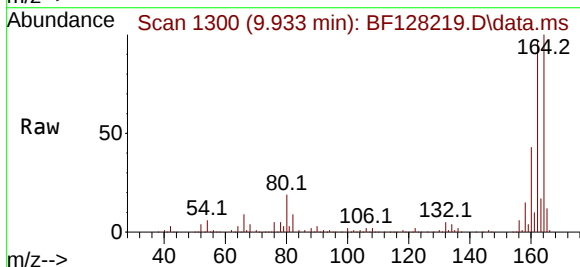
APPROVED

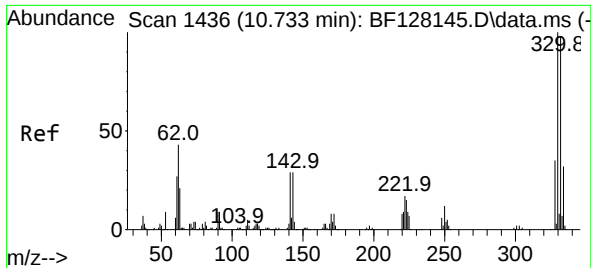
Reviewed By :Christian Giraldo 05/13/2022
Supervised By :Jagrut Upadhyay 05/13/2022



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.933 min Scan# 1300
Delta R.T. -0.006 min
Lab File: BF128219.D
Acq: 12 May 2022 15:11

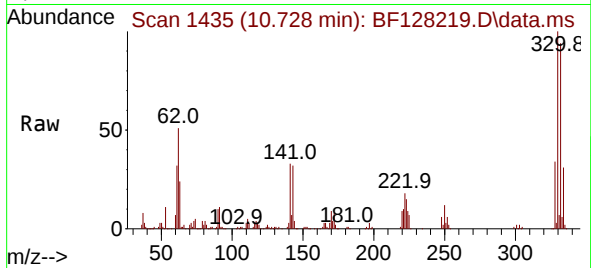
Tgt Ion:164 Resp: 153082
Ion Ratio Lower Upper
164 100
162 96.8 76.0 114.0
160 42.7 34.8 52.2





#42
2,4,6-Tribromophenol
Concen: 95.937 ng
RT: 10.728 min Scan# 1435
Delta R.T. -0.006 min
Lab File: BF128219.D
Acq: 12 May 2022 15:11

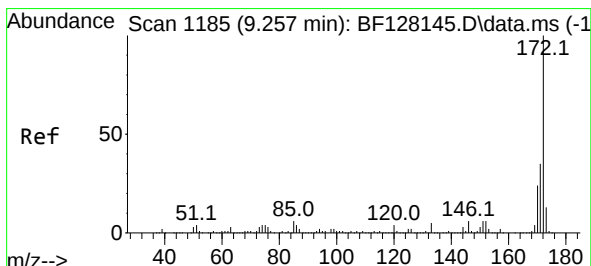
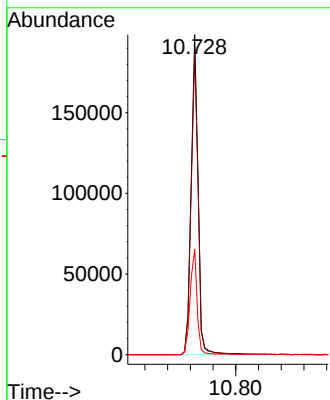
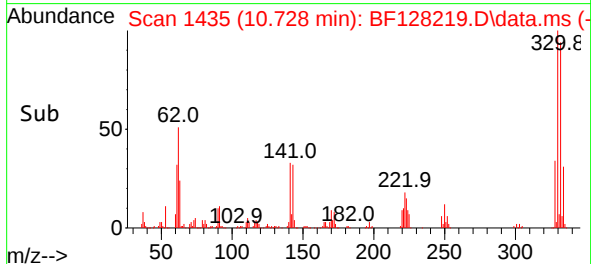
Instrument :
BNA_F
ClientSampleId :
SHALLOW-WC-1



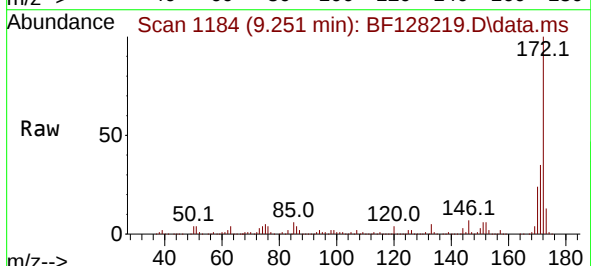
Tgt Ion: 330 Resp: 168434
Ion Ratio Lower Upper
330 100
332 95.0 79.0 118.4
141 33.3 28.9 43.3

Manual Integrations
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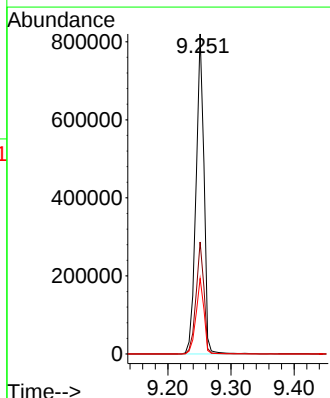
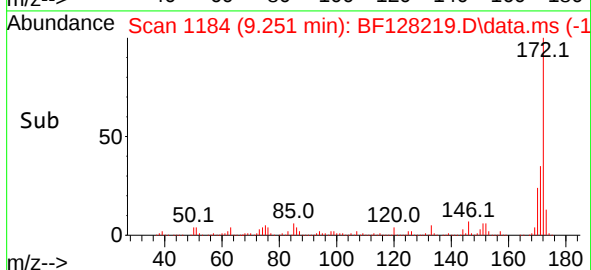
Reviewed By : Christian Giraldo 05/13/2022
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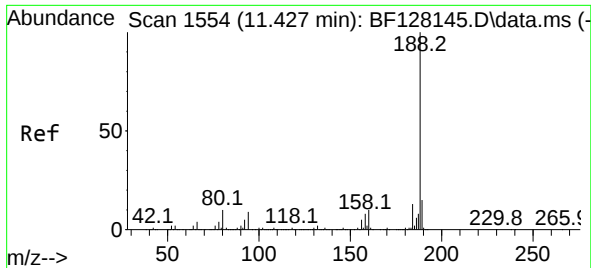


#45
2-Fluorobiphenyl
Concen: 73.177 ng
RT: 9.251 min Scan# 1184
Delta R.T. -0.006 min
Lab File: BF128219.D
Acq: 12 May 2022 15:11



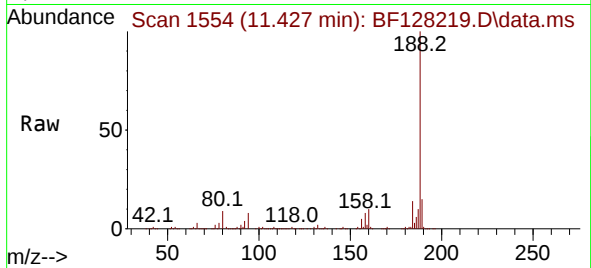
Tgt Ion: 172 Resp: 715933
Ion Ratio Lower Upper
172 100
171 35.0 28.6 42.8
170 23.6 19.1 28.7





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.427 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF128219.D
Acq: 12 May 2022 15:11

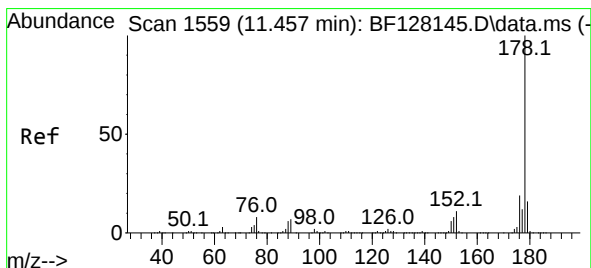
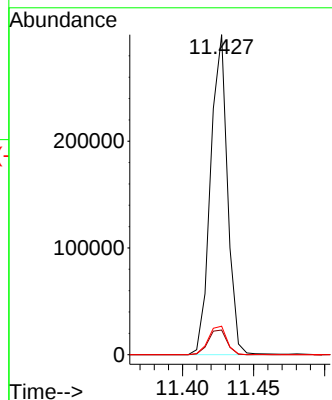
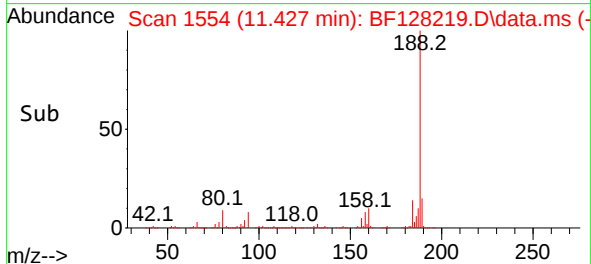
Instrument :
BNA_F
ClientSampleId :
SHALLOW-WC-1



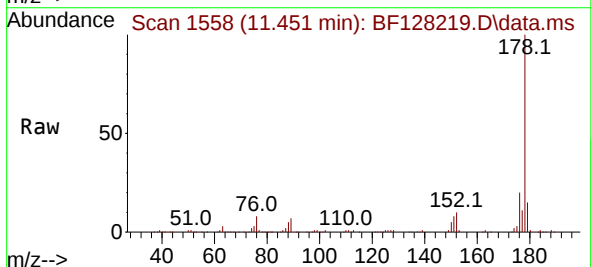
Tgt Ion:188 Resp: 24933
Ion Ratio Lower Upper
188 100
94 7.7 8.0 12.0
80 8.9 8.9 13.3

Manual Integrations
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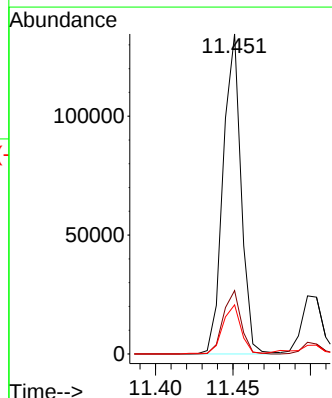
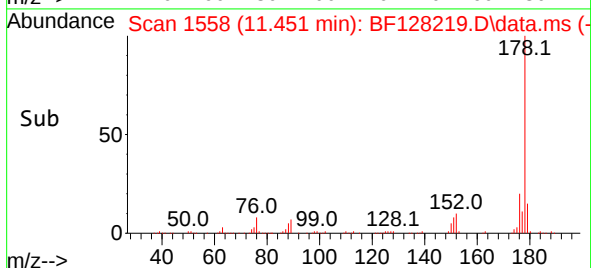
Reviewed By :Christian Giraldo 05/13/2022
Supervised By :Jagrut Upadhyay 05/13/2022

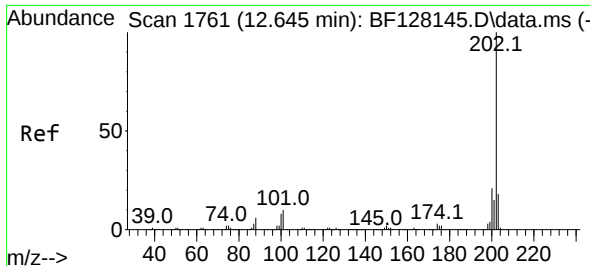


#71
Phenanthrene
Concen: 8.759 ng
RT: 11.451 min Scan# 1558
Delta R.T. -0.006 min
Lab File: BF128219.D
Acq: 12 May 2022 15:11



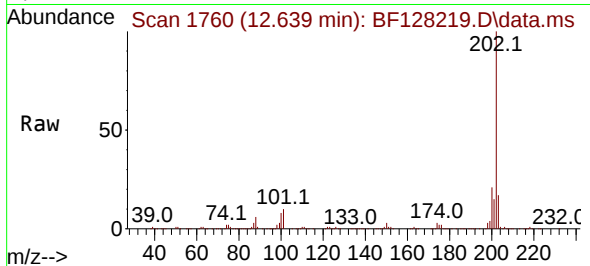
Tgt Ion:178 Resp: 108745
Ion Ratio Lower Upper
178 100
176 19.8 15.7 23.5
179 15.4 12.6 19.0





#75
Fluoranthene
Concen: 13.640 ng
RT: 12.639 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF128219.D
Acq: 12 May 2022 15:11

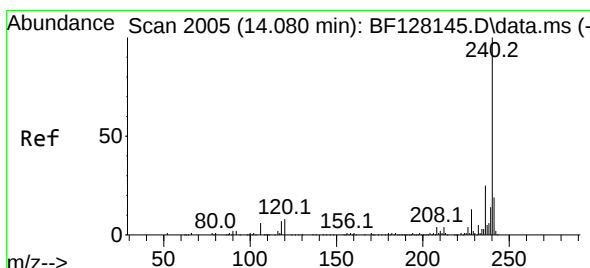
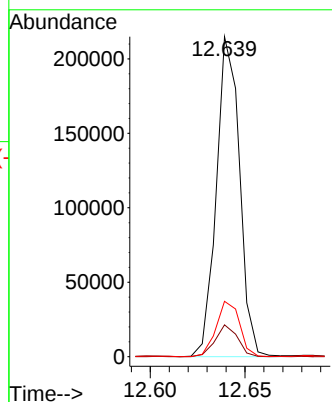
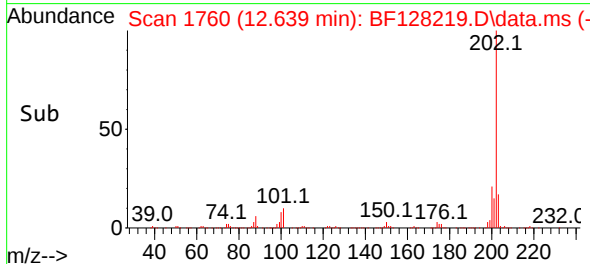
Instrument :
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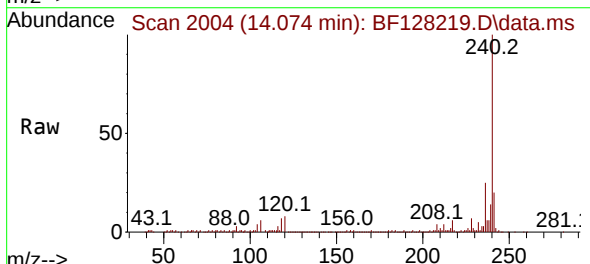
Tgt Ion:202 Resp: 183589
Ion Ratio Lower Upper
202 100
101 10.0 0.0 31.6
203 17.3 0.0 38.1

Manual Integrations
APPROVED

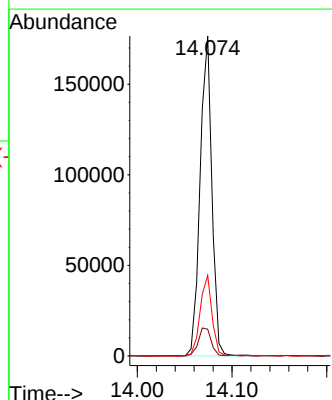
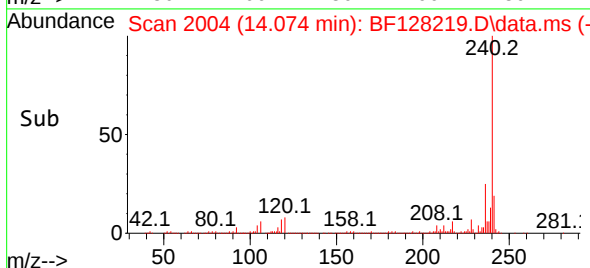
Reviewed By :Christian Giraldo 05/13/2022
Supervised By :Jagrut Upadhyay 05/13/2022

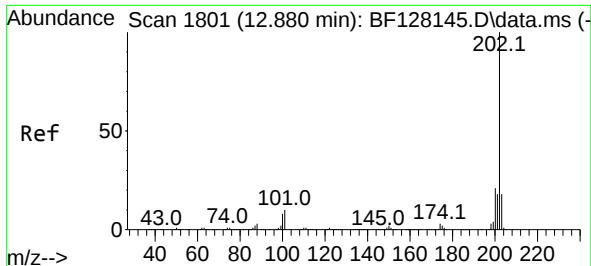


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.074 min Scan# 2004
Delta R.T. -0.006 min
Lab File: BF128219.D
Acq: 12 May 2022 15:11



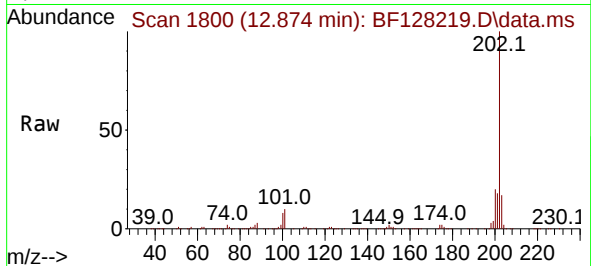
Tgt Ion:240 Resp: 153449
Ion Ratio Lower Upper
240 100
120 8.3 7.0 10.6
236 25.2 20.3 30.5





#78
Pyrene
Concen: 15.682 ng
RT: 12.874 min Scan# 1800
Delta R.T. -0.006 min
Lab File: BF128219.D
Acq: 12 May 2022 15:11

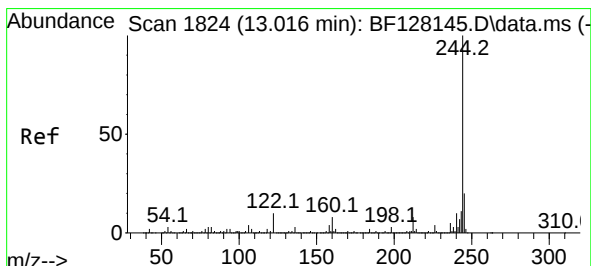
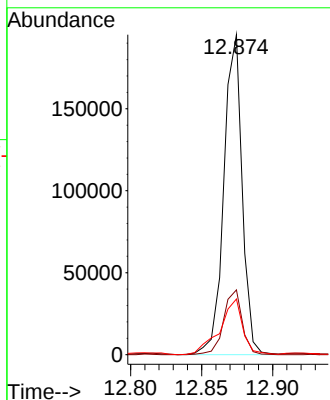
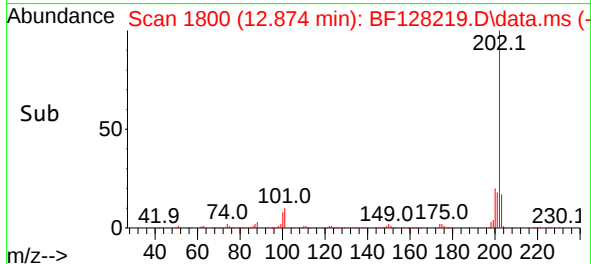
Instrument :
BNA_F
ClientSampleId :
SHALLOW-WC-1



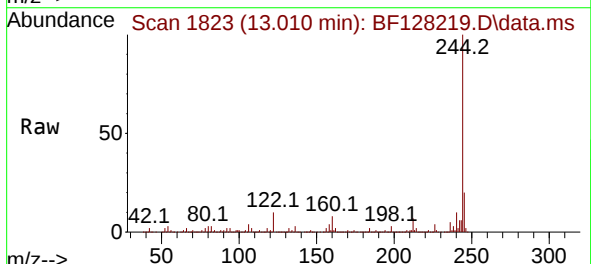
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Ion Ratio Lower Upper
202 100
200 20.3 17.4 26.2
203 17.4 14.0 21.0

Manual Integrations
APPROVED

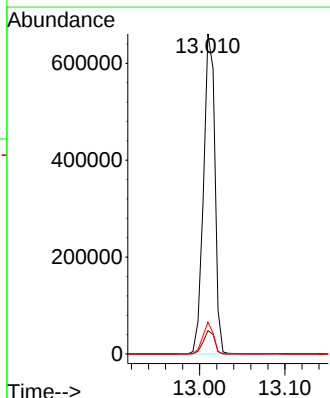
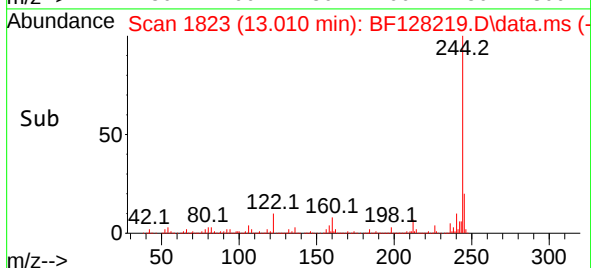
Reviewed By :Christian Giraldo 05/13/2022
Supervised By :Jagrut Upadhyay 05/13/2022

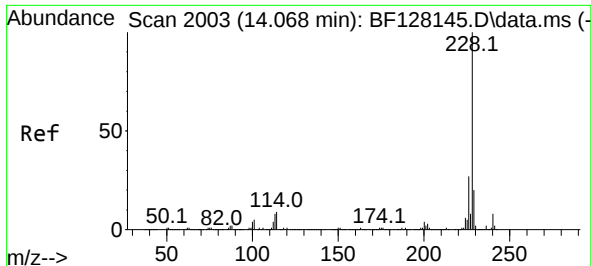


#79
Terphenyl-d14
Concen: 74.797 ng
RT: 13.010 min Scan# 1823
Delta R.T. -0.006 min
Lab File: BF128219.D
Acq: 12 May 2022 15:11



Tgt Ion:244 Resp: 611676
Ion Ratio Lower Upper
244 100
212 7.3 6.2 9.4
122 9.9 8.6 12.8





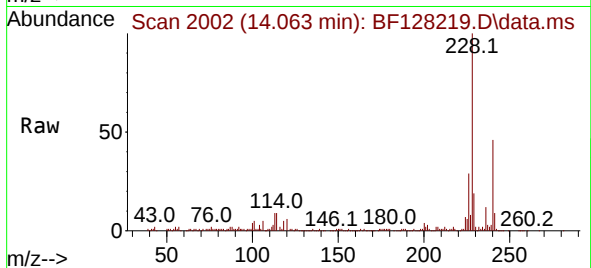
#81
Benzo(a)anthracene
Concen: 9.082 ng
RT: 14.063 min Scan# 2002
Delta R.T. -0.006 min
Lab File: BF128219.D
Acq: 12 May 2022 15:11

Instrument :

BNA_F

ClientSampleId :

SHALLOW-WC-1

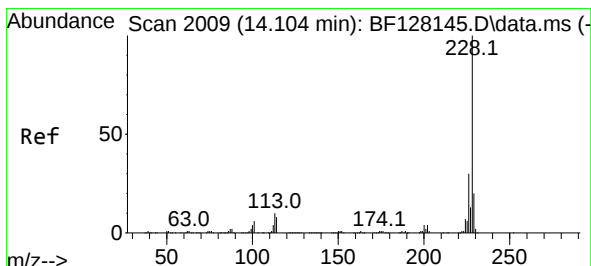
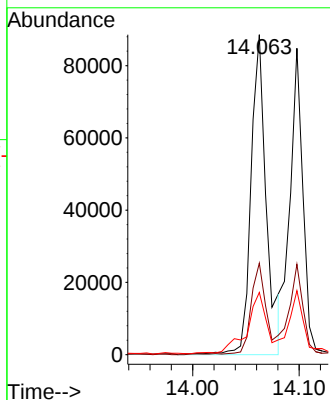
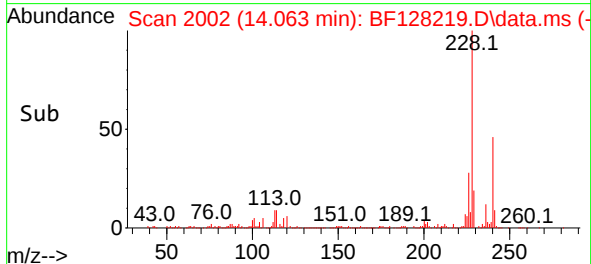


Tgt Ion:228 Resp: 89012
Ion Ratio Lower Upper
228 100
226 28.6 21.7 32.5
229 19.5 15.4 23.2

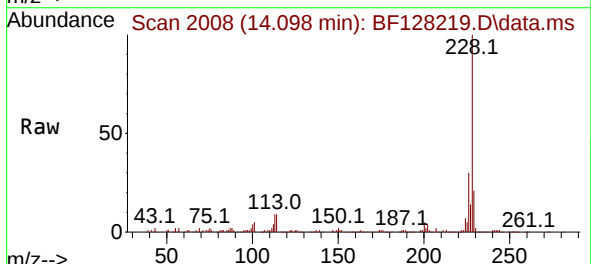
Manual Integrations

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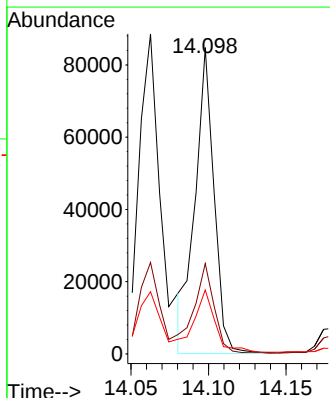
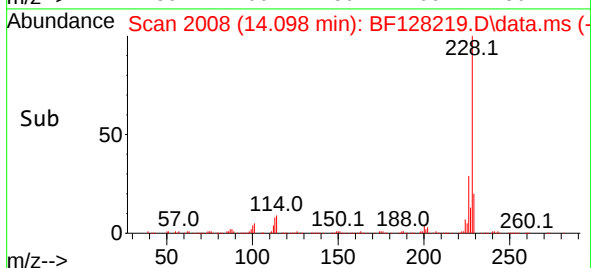
Reviewed By :Christian Giraldo 05/13/2022
Supervised By :Jagrut Upadhyay 05/13/2022

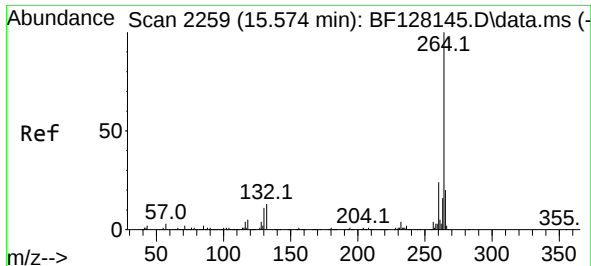


#83
Chrysene
Concen: 7.717 ng
RT: 14.098 min Scan# 2008
Delta R.T. -0.006 min
Lab File: BF128219.D
Acq: 12 May 2022 15:11



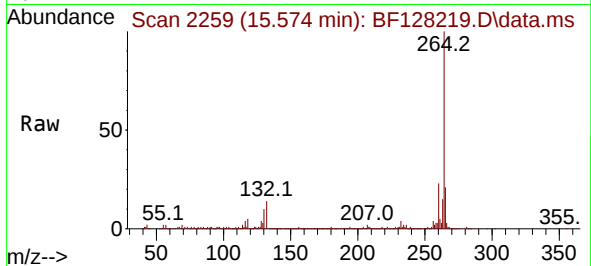
Tgt Ion:228 Resp: 72173
Ion Ratio Lower Upper
228 100
226 29.5 24.4 36.6
229 20.9 15.8 23.8





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.574 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF128219.D
Acq: 12 May 2022 15:11

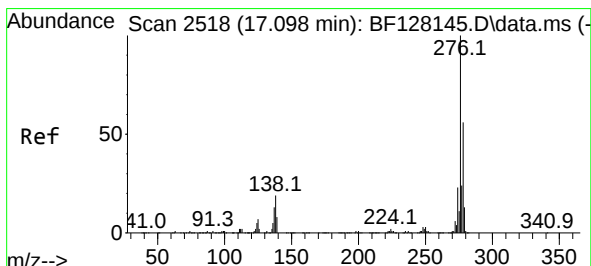
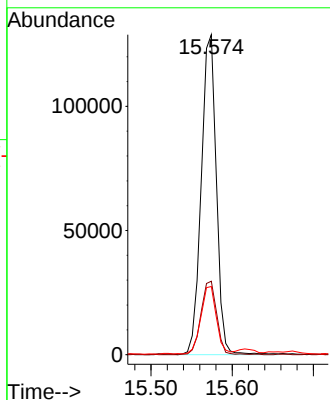
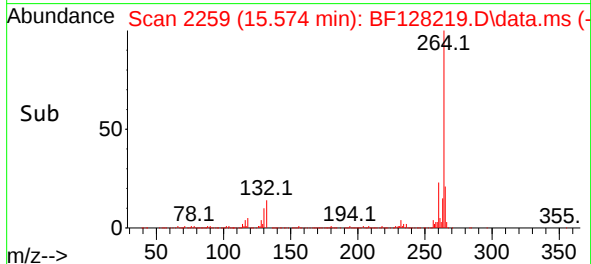
Instrument :
BNA_F
ClientSampleId :
SHALLOW-WC-1



Tgt Ion:264 Resp: 166620
Ion Ratio Lower Upper
264 100
260 22.9 20.1 30.1
265 21.3 17.5 26.3

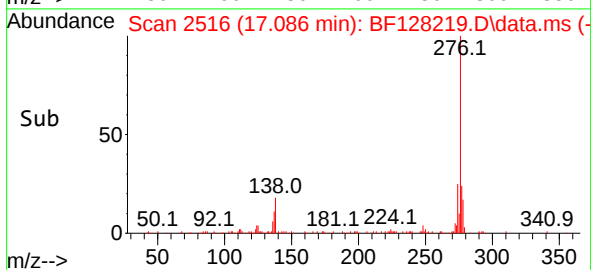
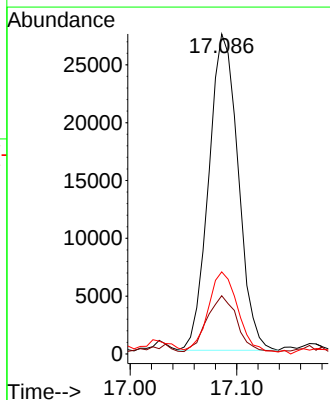
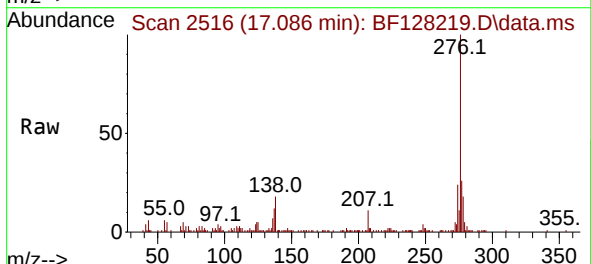
Manual Integrations
APPROVED

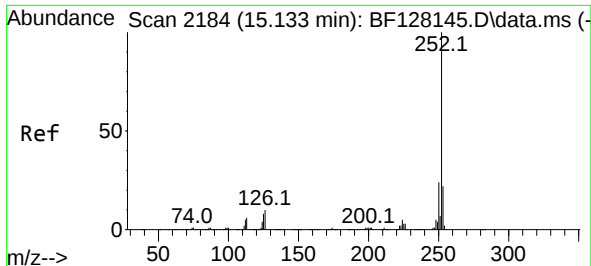
Reviewed By :Christian Giraldo 05/13/2022
Supervised By :Jagrut Upadhyay 05/13/2022



#87
Indeno(1,2,3-cd)pyrene
Concen: 5.220 ng
RT: 17.086 min Scan# 2516
Delta R.T. -0.012 min
Lab File: BF128219.D
Acq: 12 May 2022 15:11

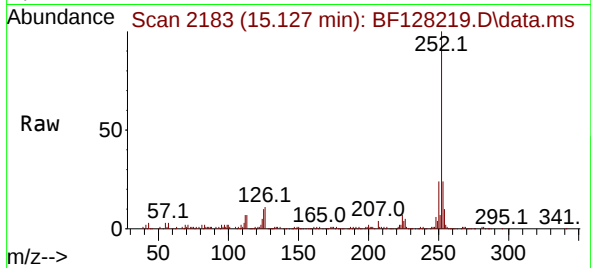
Tgt Ion:276 Resp: 52609
Ion Ratio Lower Upper
276 100
138 18.4 19.0 28.4#
277 27.1 20.1 30.1





#88
Benzo(b)fluoranthene
Concen: 9.873 ng m
RT: 15.127 min Scan# 2183
Delta R.T. -0.006 min
Lab File: BF128219.D
Acq: 12 May 2022 15:11

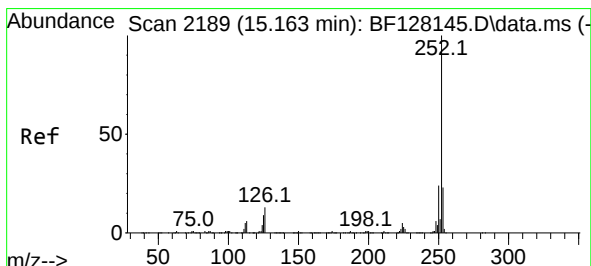
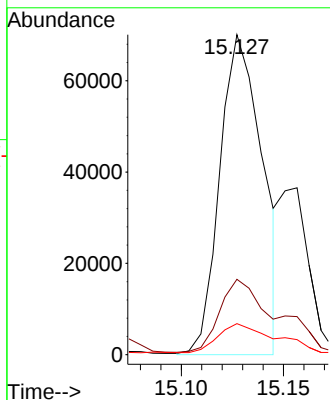
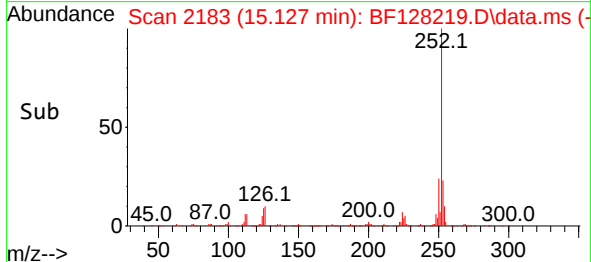
Instrument :
BNA_F
ClientSampleId :
SHALLOW-WC-1



Tgt Ion:252 Resp: 101974
Ion Ratio Lower Upper
252 100
253 23.5 17.4 26.2
125 9.7 7.4 11.2

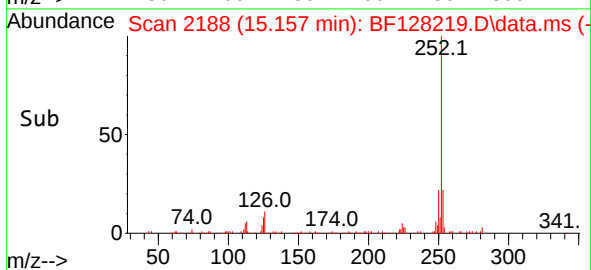
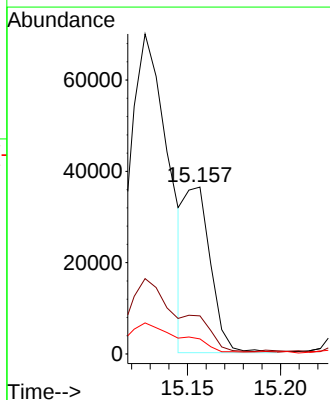
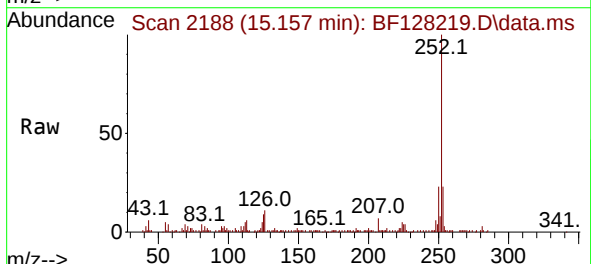
Manual Integrations
APPROVED

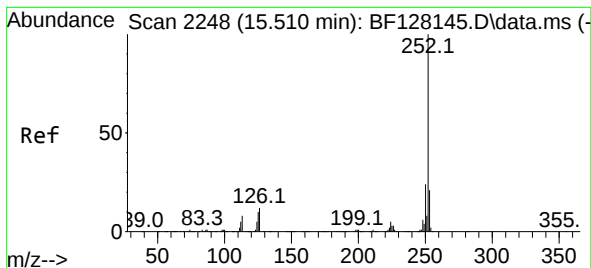
Reviewed By :Christian Giraldo 05/13/2022
Supervised By :Jagrut Upadhyay 05/13/2022



#89
Benzo(k)fluoranthene
Concen: 3.420 ng m
RT: 15.157 min Scan# 2188
Delta R.T. -0.006 min
Lab File: BF128219.D
Acq: 12 May 2022 15:11

Tgt Ion:252 Resp: 34870
Ion Ratio Lower Upper
252 100
253 22.9 17.0 25.4
125 9.0 6.8 10.2





#90

Benzo(a)pyrene

Concen: 9.499 ng

RT: 15.504 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF128219.D

Acq: 12 May 2022 15:11

Instrument :

BNA_F

ClientSampleId :

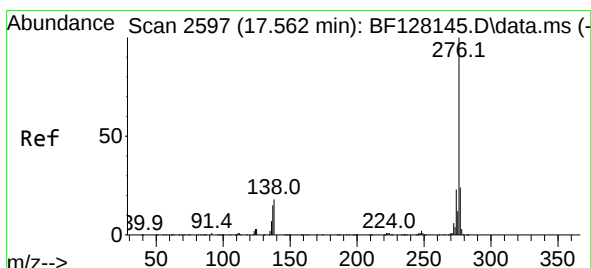
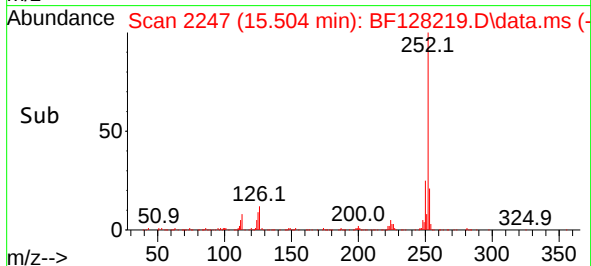
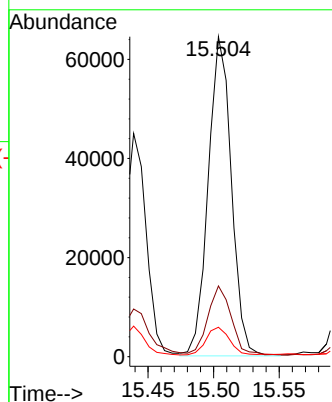
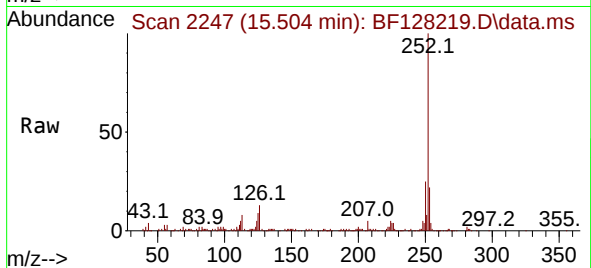
SHALLOW-WC-1

Tgt Ion:252 Resp: 79209
 Ion Ratio Lower Upper
 252 100
 253 22.1 17.8 26.6
 125 9.2 9.2 13.8

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 05/13/2022
 Supervised By :Jagrut Upadhyay 05/13/2022



#92

Benzo(g,h,i)perylene

Concen: 6.057 ng

RT: 17.551 min Scan# 2595

Delta R.T. -0.012 min

Lab File: BF128219.D

Acq: 12 May 2022 15:11

Tgt Ion:276 Resp: 50041
 Ion Ratio Lower Upper
 276 100
 277 26.4 18.8 28.2
 138 16.2 16.2 24.2

