

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050522\
 Data File : BF128111.D
 Acq On : 05 May 2022 23:15
 Operator : CG\JU
 Sample : N2691-03
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SHALLOW-WC-1

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 05/06/2022
 Supervised By : mohammad ahmed 05/09/2022

Quant Time: May 06 05:03:25 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042222.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 05 17:56:23 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.904	152	74715	20.000	ng	0.00
21) Naphthalene-d8	8.186	136	263903	20.000	ng	-0.01
39) Acenaphthene-d10	9.945	164	132064	20.000	ng	0.00
64) Phenanthrene-d10	11.439	188	223151	20.000	ng	0.00
76) Chrysene-d12	14.092	240	165287	20.000	ng	0.00
86) Perylene-d12	15.598	264	115008	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.528	112	336857	71.812	ng	0.00
7) Phenol-d6	6.534	99	433086	71.153	ng	-0.01
23) Nitrobenzene-d5	7.469	82	319334	56.901	ng	-0.01
42) 2,4,6-Tribromophenol	10.739	330	100858	75.865	ng	0.00
45) 2-Fluorobiphenyl	9.263	172	475082	60.858	ng	0.00
79) Terphenyl-d14	13.027	244	431099	47.692	ng	0.00
Target Compounds						Qvalue
49) Acenaphthylene	9.810	152	64646	5.675	ng	99
58) Fluorene	10.492	166	18531	2.247	ng	99
71) Phenanthrene	11.463	178	391085	33.481	ng	100
72) Anthracene	11.516	178	93809	8.062	ng	99
73) Carbazole	11.669	167	44278	3.948	ng	99
75) Fluoranthene	12.663	202	768074	62.477	ng	97
78) Pyrene	12.892	202	703723	52.742	ng	99
81) Benzo(a)anthracene	14.080	228	436175	39.592	ng	94
83) Chrysene	14.115	228	378320	35.957	ng	98
87) Indeno(1,2,3-cd)pyrene	17.127	276	172705m	22.498	ng	
88) Benzo(b)fluoranthene	15.151	252	394378m	54.596	ng	
89) Benzo(k)fluoranthene	15.180	252	154241m	21.194	ng	
90) Benzo(a)pyrene	15.533	252	252019	42.060	ng	97
91) Dibenzo(a,h)anthracene	17.133	278	45891m	7.454	ng	
92) Benzo(g,h,i)perylene	17.598	276	161658	24.916	ng	96

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

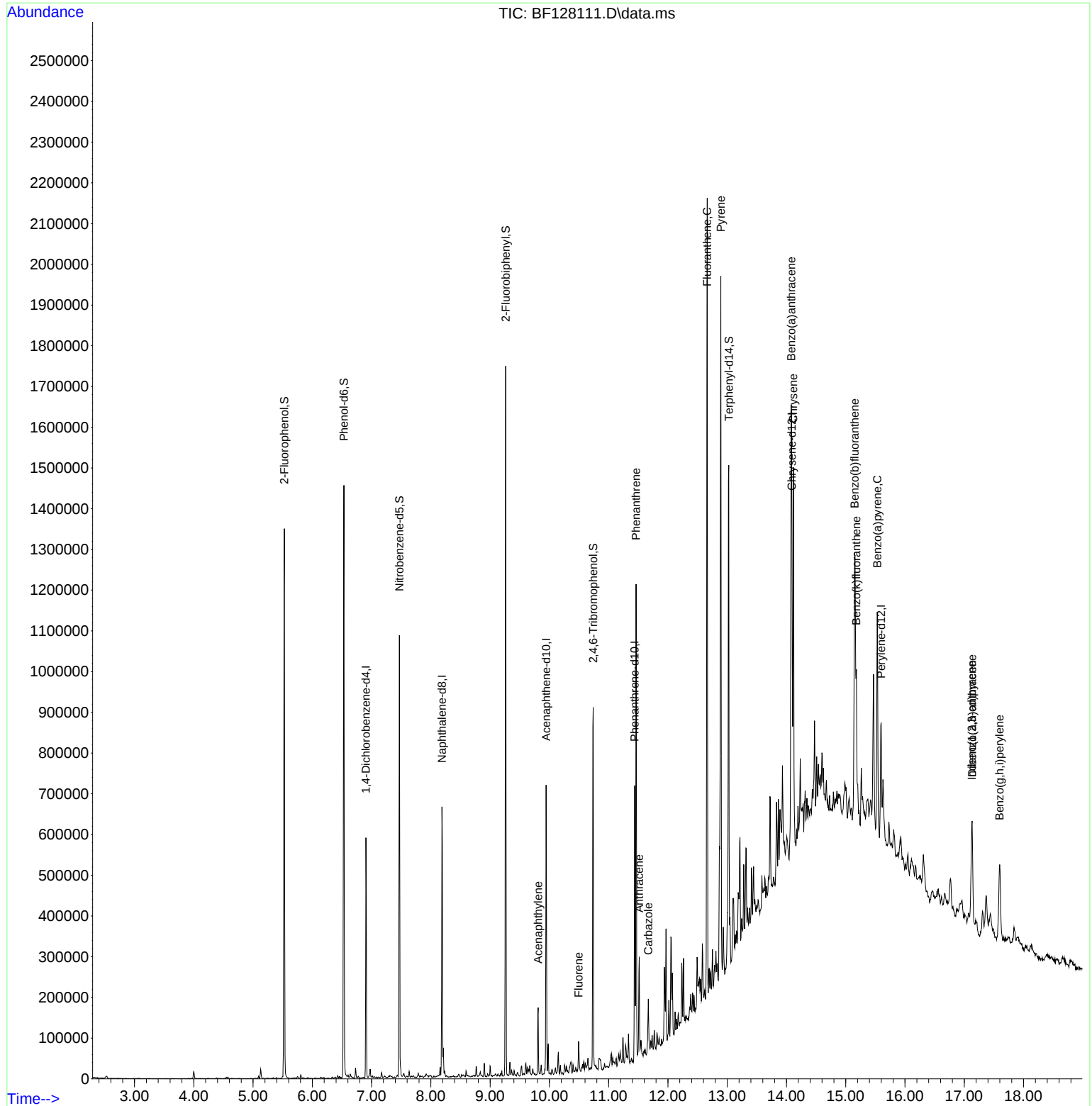
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050522\
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ALS Vial : 22 Sample Multiplier: 1

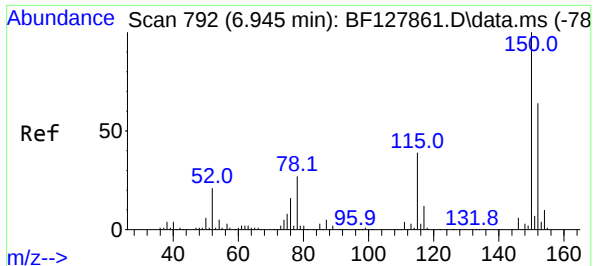
Instrument :
BNA_F
ClientSampleId :
SHALLOW-WC-1

Quant Time: May 06 05:03:25 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042222.M
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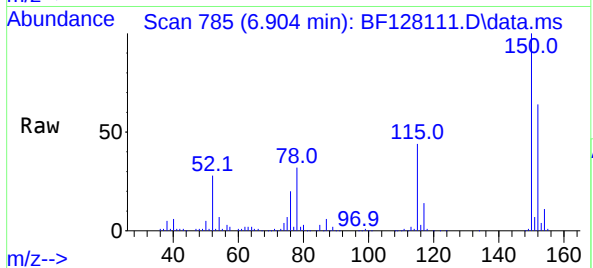
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.904 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF128111.D
Acq: 05 May 2022 23:15

Instrument :

BNA_F

ClientSampleId :

SHALLOW-WC-1

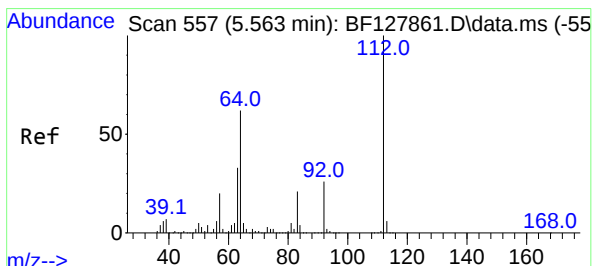
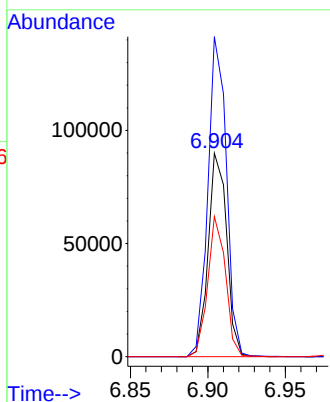
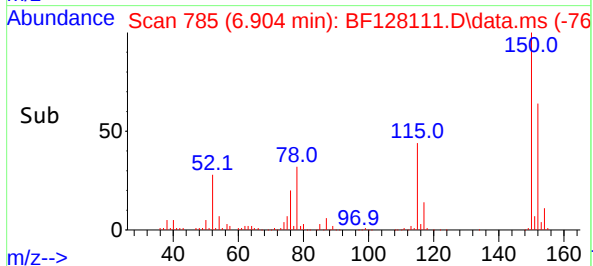


Tgt Ion:152 Resp: 74711
Ion Ratio Lower Upper
152 100
150 157.3 125.3 187.9
115 68.9 48.8 73.2

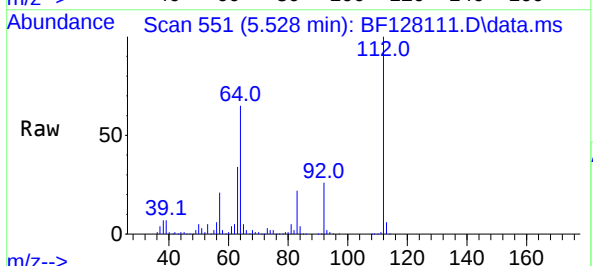
Manual Integrations

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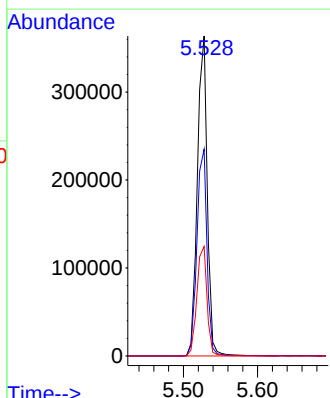
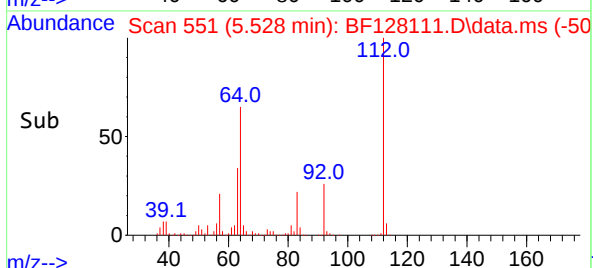
Reviewed By :Christian Giraldo 05/06/2022
Supervised By :mohammad ahmed 05/09/2022

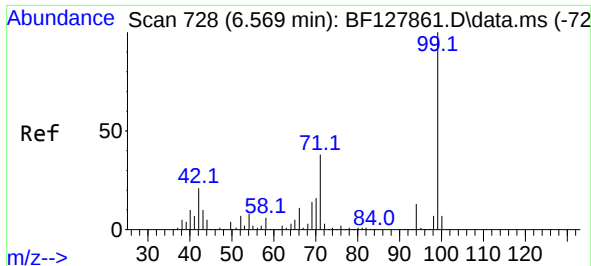


#5
2-Fluorophenol
Concen: 71.812 ng
RT: 5.528 min Scan# 551
Delta R.T. -0.006 min
Lab File: BF128111.D
Acq: 05 May 2022 23:15



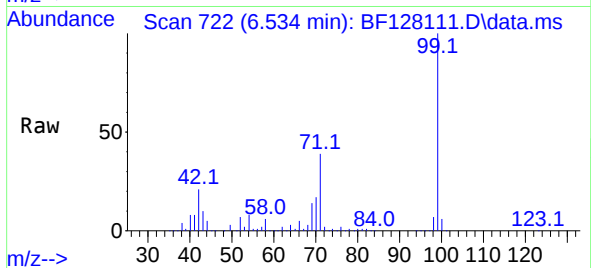
Tgt Ion:112 Resp: 336857
Ion Ratio Lower Upper
112 100
64 64.6 49.5 74.3
63 34.2 26.3 39.5





#7
Phenol-d6
Concen: 71.153 ng
RT: 6.534 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF128111.D
Acq: 05 May 2022 23:15

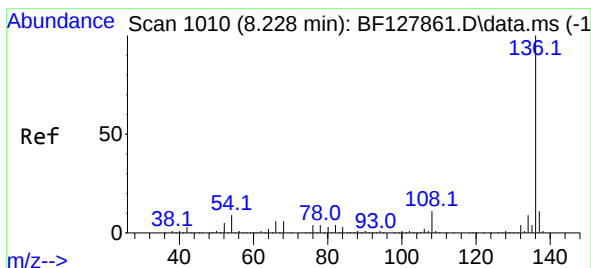
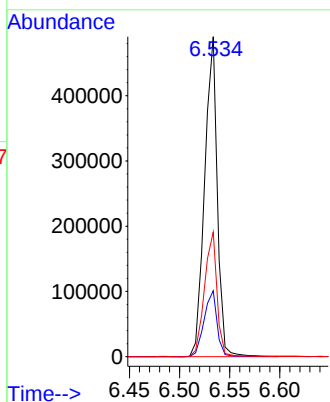
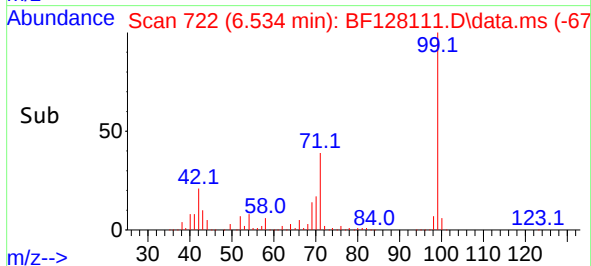
Instrument :
BNA_F
ClientSampleId :
SHALLOW-WC-1



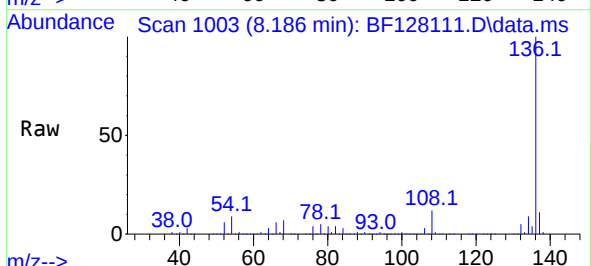
Tgt Ion: 99 Resp: 433080
Ion Ratio Lower Upper
99 100
42 20.6 16.6 24.8
71 38.9 30.0 45.0

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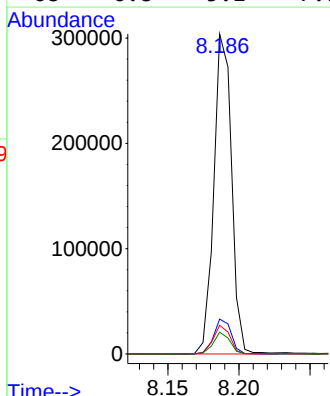
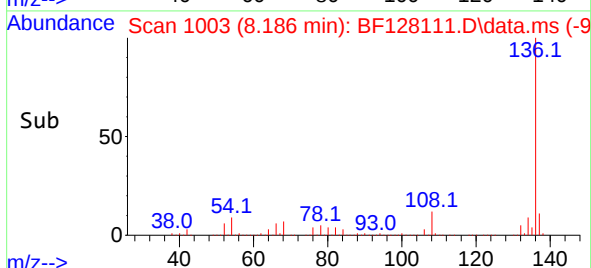
Reviewed By :Christian Giraldo 05/06/2022
Supervised By :mohammad ahmed 05/09/2022

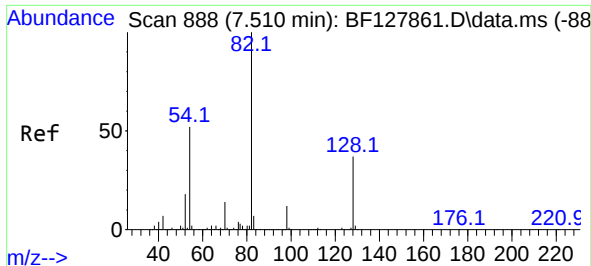


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.186 min Scan# 1003
Delta R.T. -0.012 min
Lab File: BF128111.D
Acq: 05 May 2022 23:15



Tgt Ion:136 Resp: 263903
Ion Ratio Lower Upper
136 100
137 10.9 8.6 13.0
54 9.0 6.8 10.2
68 6.8 5.1 7.7





#23

Nitrobenzene-d5

Concen: 56.901 ng

RT: 7.469 min Scan# 81

Delta R.T. -0.012 min

Lab File: BF128111.D

Acq: 05 May 2022 23:15

Instrument :

BNA_F

ClientSampleId :

SHALLOW-WC-1

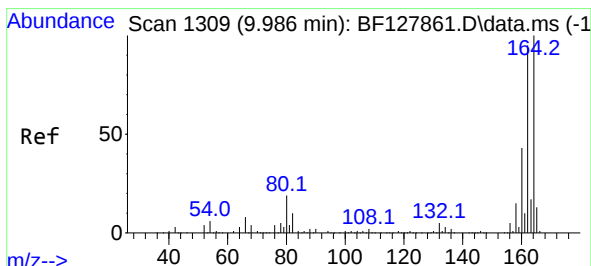
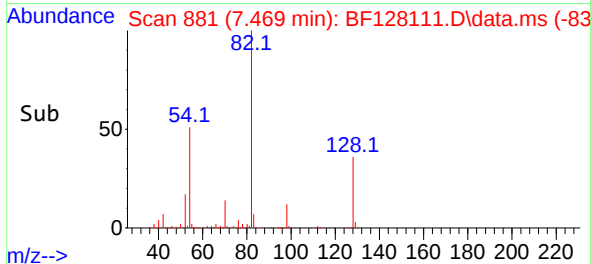
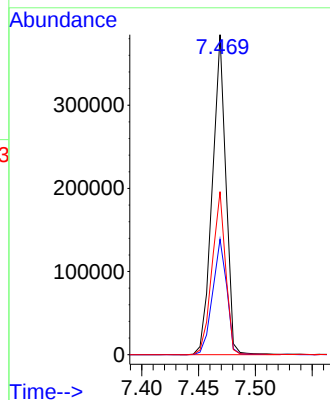
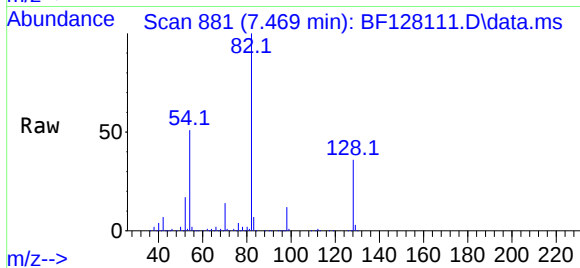
Tgt Ion: 82 Resp: 319334

Ion	Ratio	Lower	Upper
82	100		
128	36.1	30.0	45.0
54	51.0	41.3	61.9

Manual Integrations

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.945 min Scan# 1302

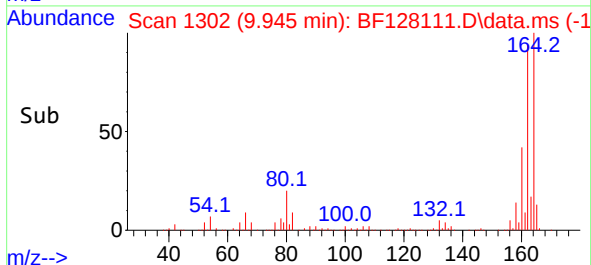
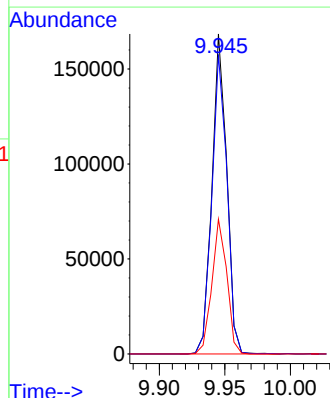
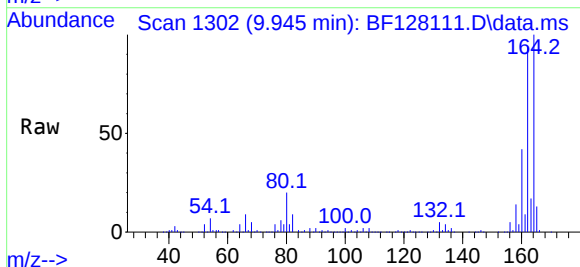
Delta R.T. -0.006 min

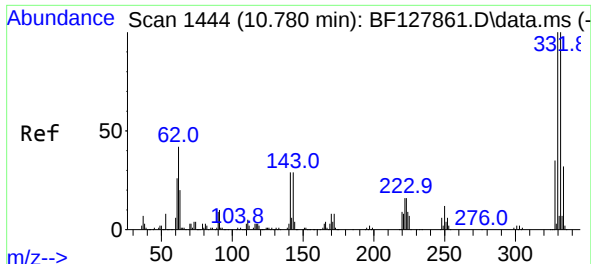
Lab File: BF128111.D

Acq: 05 May 2022 23:15

Tgt Ion:164 Resp: 132064

Ion	Ratio	Lower	Upper
164	100		
162	93.5	76.0	114.0
160	42.1	34.8	52.2





#42
2,4,6-Tribromophenol
Concen: 75.865 ng
RT: 10.739 min Scan# 1444
Delta R.T. -0.006 min
Lab File: BF128111.D
Acq: 05 May 2022 23:15

Instrument :

BNA_F

ClientSampleId :

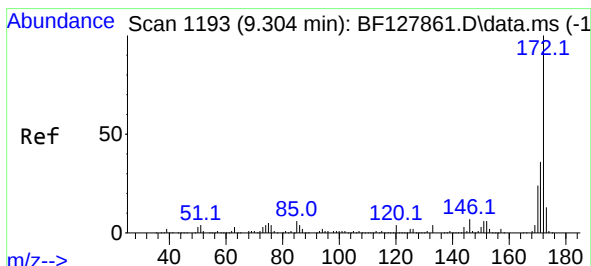
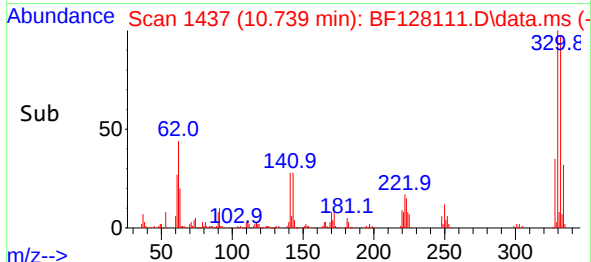
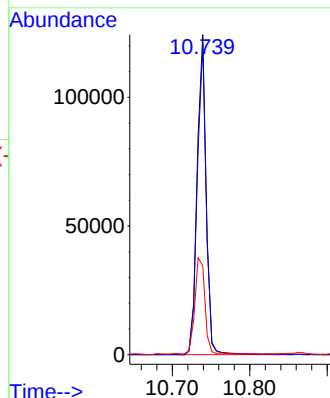
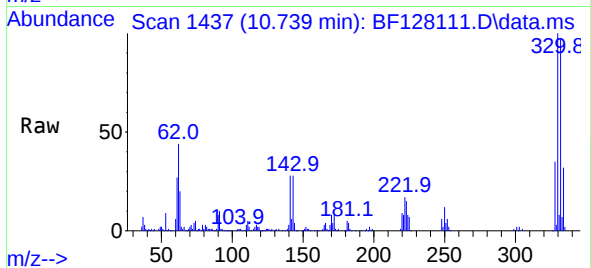
SHALLOW-WC-1

Tgt Ion:330 Resp: 100858
Ion Ratio Lower Upper
330 100
332 95.9 79.0 118.4
141 33.7 28.9 43.3

Manual Integrations

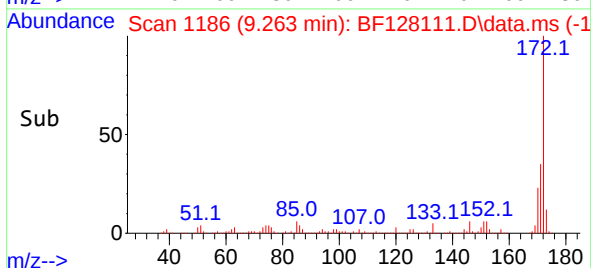
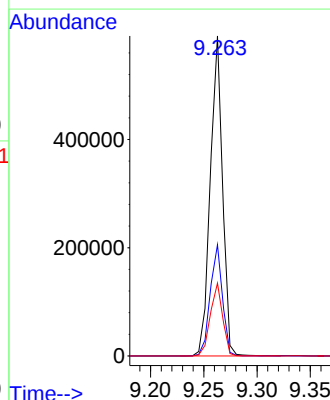
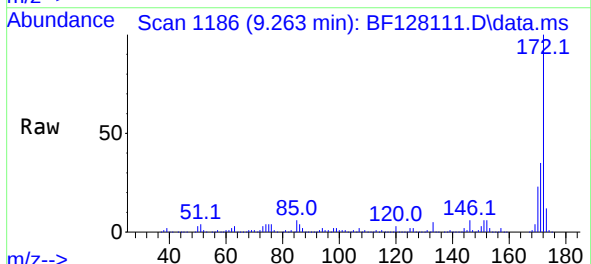
APPROVED

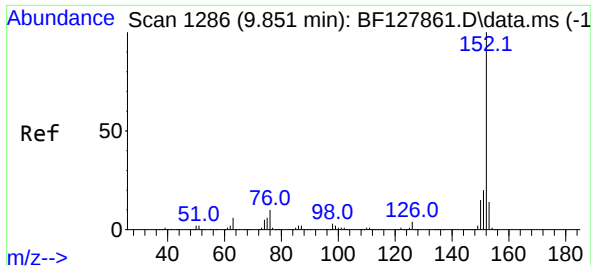
Reviewed By :Christian Giraldo 05/06/2022
Supervised By :mohammad ahmed 05/09/2022



#45
2-Fluorobiphenyl
Concen: 60.858 ng
RT: 9.263 min Scan# 1186
Delta R.T. -0.006 min
Lab File: BF128111.D
Acq: 05 May 2022 23:15

Tgt Ion:172 Resp: 475082
Ion Ratio Lower Upper
172 100
171 34.7 28.6 42.8
170 22.8 19.1 28.7





#49

Acenaphthylene

Concen: 5.675 ng

RT: 9.810 min Scan# 1395

Delta R.T. -0.006 min

Lab File: BF128111.D

Acq: 05 May 2022 23:15

Instrument :

BNA_F

ClientSampleId :

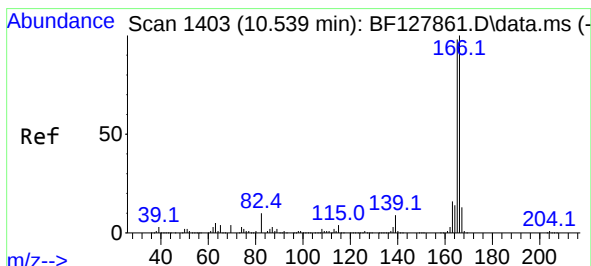
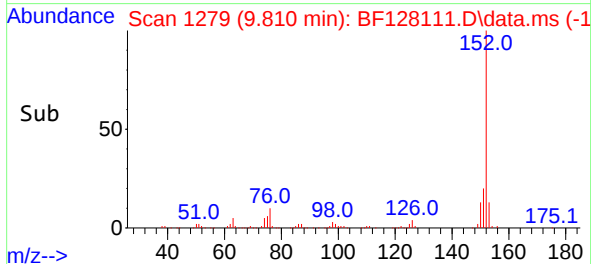
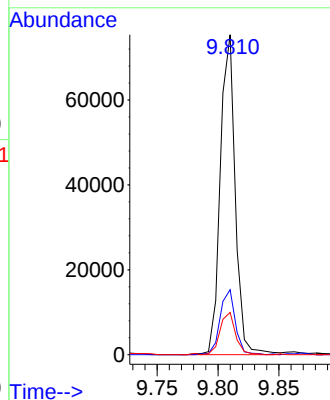
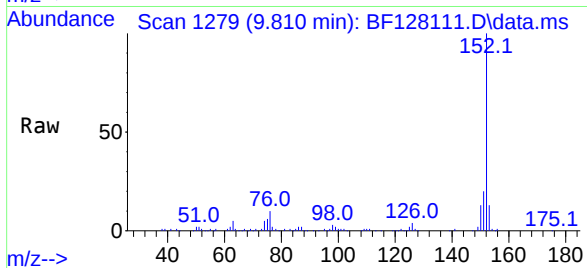
SHALLOW-WC-1

Tgt Ion:152 Resp: 64640
 Ion Ratio Lower Upper
 152 100
 151 20.3 16.2 24.2
 153 13.2 11.2 16.8

Manual Integrations

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Reviewed By :Christian Giraldo 05/06/2022
 Supervised By :mohammad ahmed 05/09/2022



#58

Fluorene

Concen: 2.247 ng

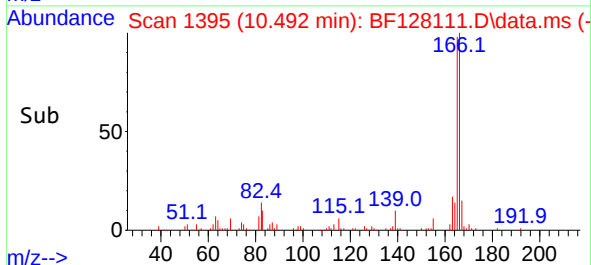
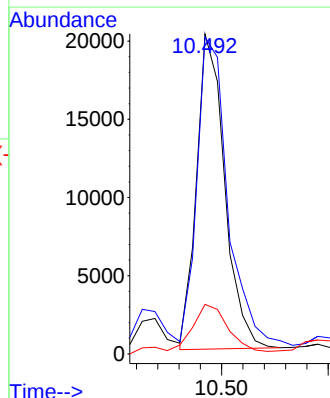
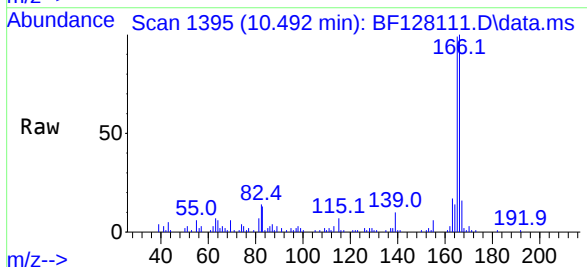
RT: 10.492 min Scan# 1395

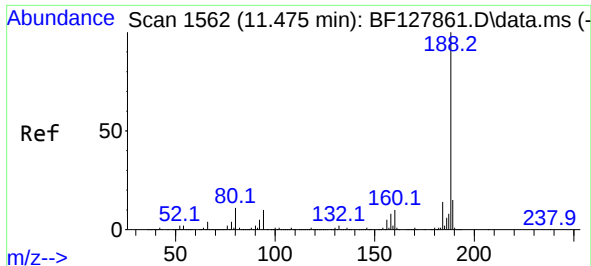
Delta R.T. -0.012 min

Lab File: BF128111.D

Acq: 05 May 2022 23:15

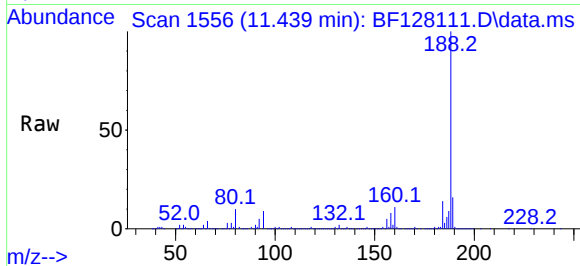
Tgt Ion:166 Resp: 18531
 Ion Ratio Lower Upper
 166 100
 165 99.0 78.6 117.8
 167 15.5 10.5 15.7





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.439 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF128111.D
Acq: 05 May 2022 23:15

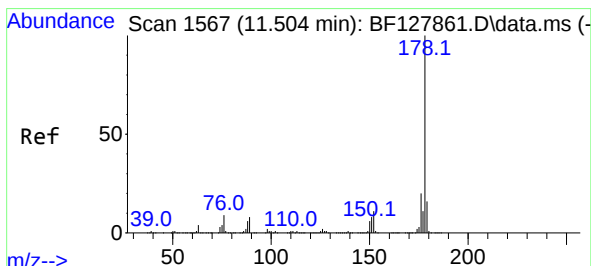
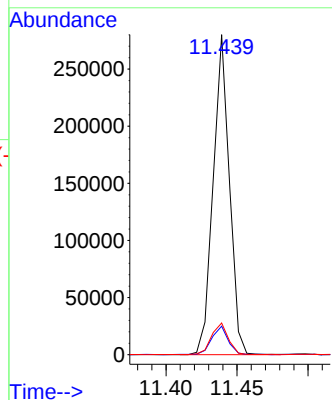
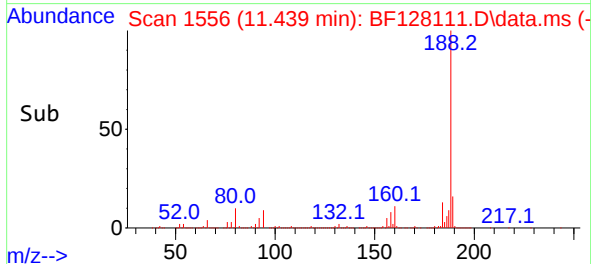
Instrument :
BNA_F
ClientSampleId :
SHALLOW-WC-1



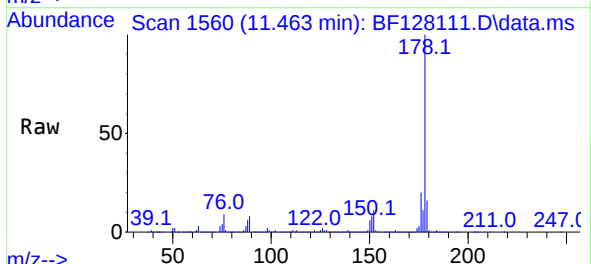
Tgt Ion:188 Resp: 22315
Ion Ratio Lower Upper
188 100
94 8.9 8.0 12.0
80 9.9 8.9 13.3

Manual Integrations
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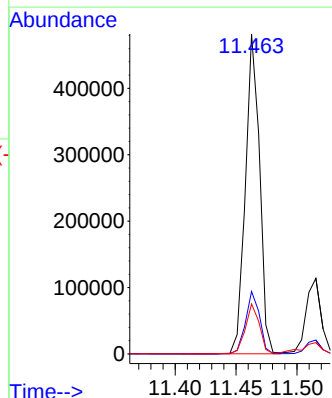
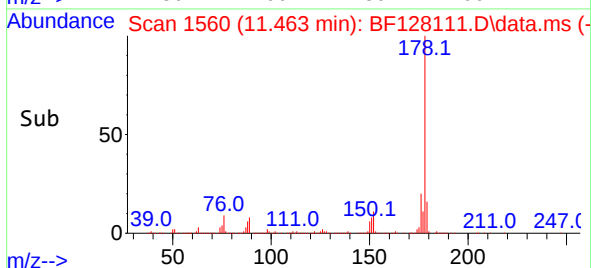
Reviewed By :Christian Giraldo 05/06/2022
Supervised By :mohammad ahmed 05/09/2022

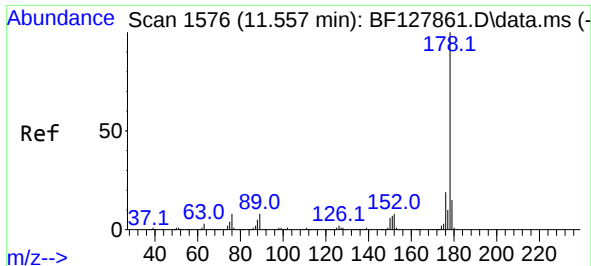


#71
Phenanthrene
Concen: 33.481 ng
RT: 11.463 min Scan# 1560
Delta R.T. -0.012 min
Lab File: BF128111.D
Acq: 05 May 2022 23:15



Tgt Ion:178 Resp: 391085
Ion Ratio Lower Upper
178 100
176 19.6 15.7 23.5
179 15.7 12.6 19.0





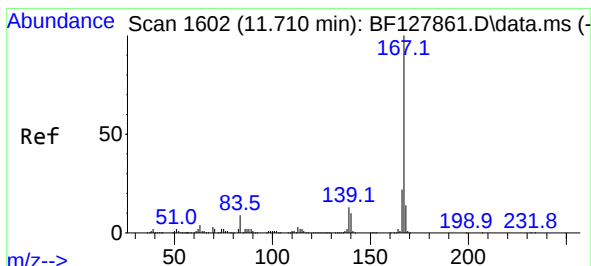
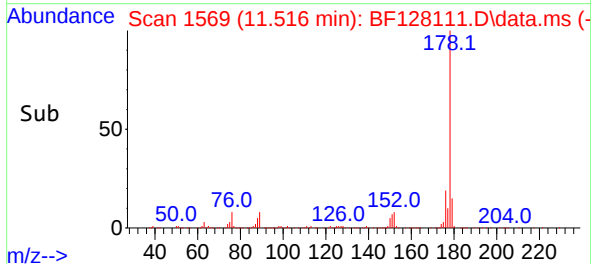
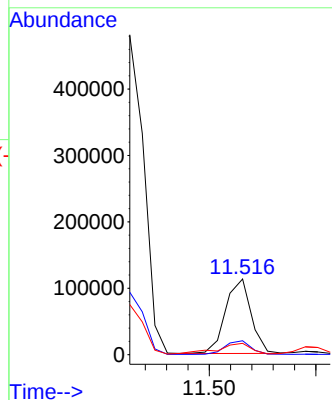
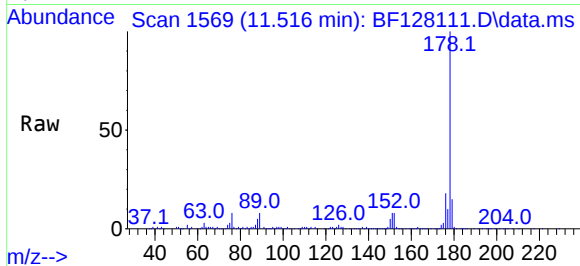
#72
 Anthracene
 Concen: 8.062 ng
 RT: 11.516 min Scan# 1569
 Delta R.T. -0.006 min
 Lab File: BF128111.D
 Acq: 05 May 2022 23:15

Instrument :
 BNA_F
 ClientSampleId :
 SHALLOW-WC-1

Tgt Ion:178 Resp: 93809
 Ion Ratio Lower Upper
 178 100
 176 18.5 15.0 22.6
 179 14.9 12.4 18.6

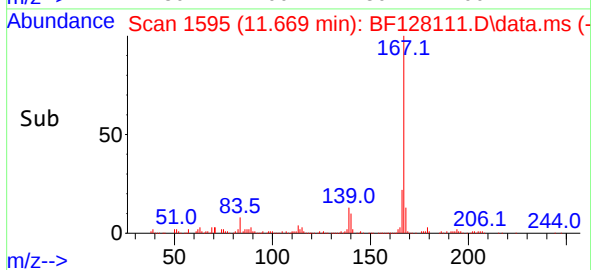
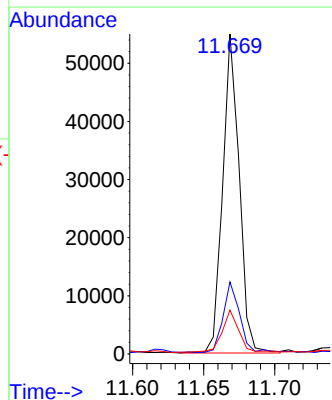
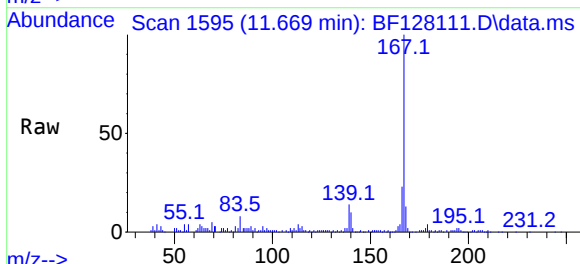
Manual Integrations
 APPROVED

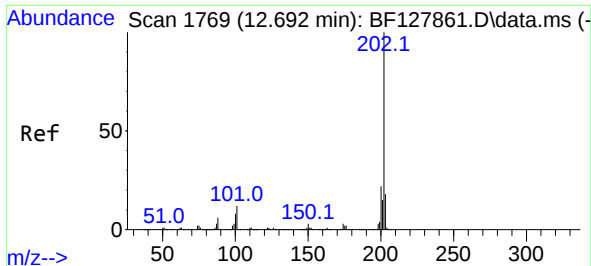
Reviewed By :Christian Giraldo 05/06/2022
 Supervised By :mohammad ahmed 05/09/2022



#73
 Carbazole
 Concen: 3.948 ng
 RT: 11.669 min Scan# 1595
 Delta R.T. -0.012 min
 Lab File: BF128111.D
 Acq: 05 May 2022 23:15

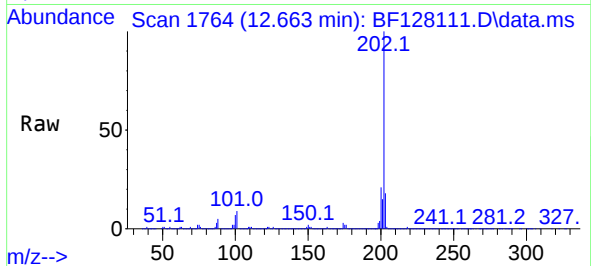
Tgt Ion:167 Resp: 44278
 Ion Ratio Lower Upper
 167 100
 166 22.5 17.6 26.4
 139 13.7 10.7 16.1





#75
Fluoranthene
Concen: 62.477 ng
RT: 12.663 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF128111.D
Acq: 05 May 2022 23:15

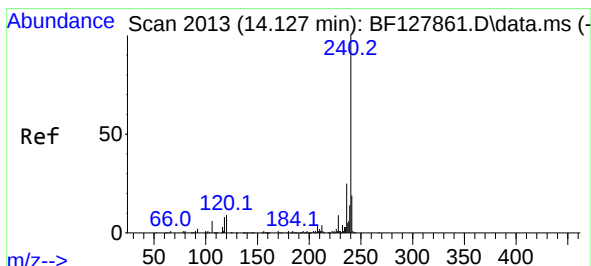
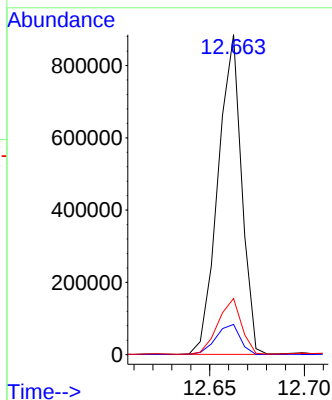
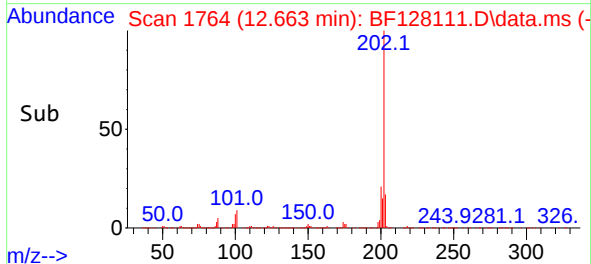
Instrument :
BNA_F
ClientSampleId :
SHALLOW-WC-1



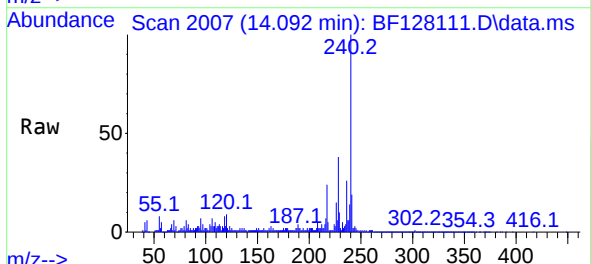
Tgt Ion:202 Resp: 768074
Ion Ratio Lower Upper
202 100
101 9.4 0.0 31.6
203 17.5 0.0 38.1

Manual Integrations
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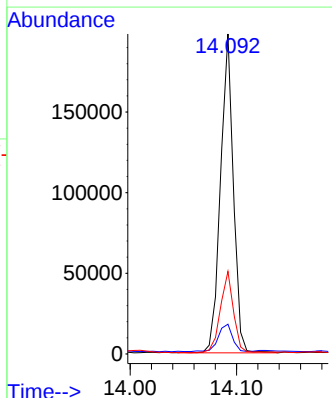
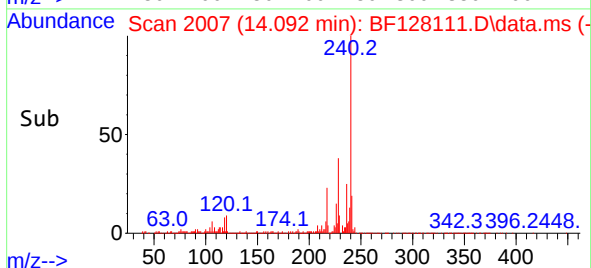
Reviewed By :Christian Giraldo 05/06/2022
Supervised By :mohammad ahmed 05/09/2022

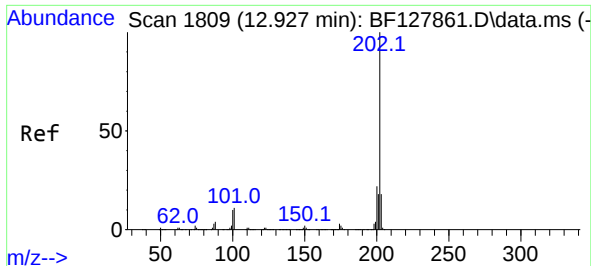


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.092 min Scan# 2007
Delta R.T. 0.000 min
Lab File: BF128111.D
Acq: 05 May 2022 23:15



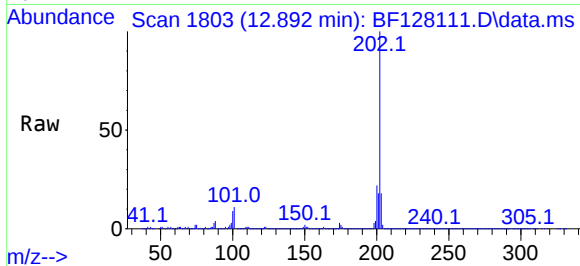
Tgt Ion:240 Resp: 165287
Ion Ratio Lower Upper
240 100
120 9.3 7.0 10.6
236 25.8 20.3 30.5





#78
Pyrene
Concen: 52.742 ng
RT: 12.892 min Scan# 1803
Delta R.T. 0.000 min
Lab File: BF128111.D
Acq: 05 May 2022 23:15

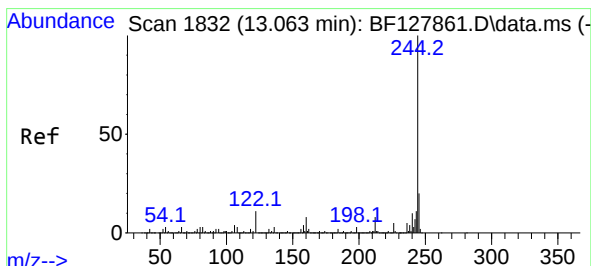
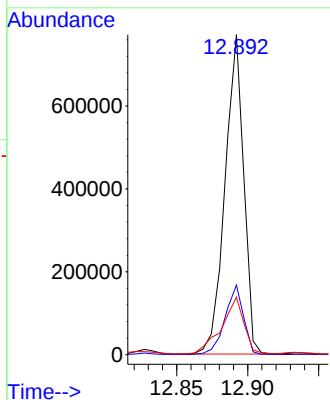
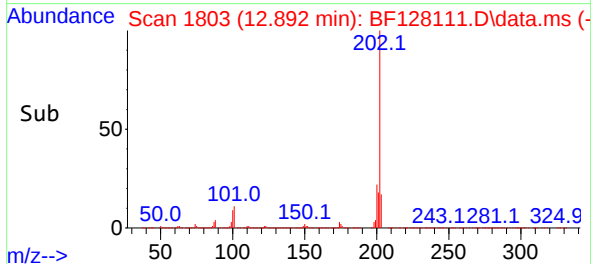
Instrument :
BNA_F
ClientSampleId :
SHALLOW-WC-1



Tgt Ion:202 Resp: 70372
Ion Ratio Lower Upper
202 100
200 21.8 17.4 26.2
203 18.0 14.0 21.0

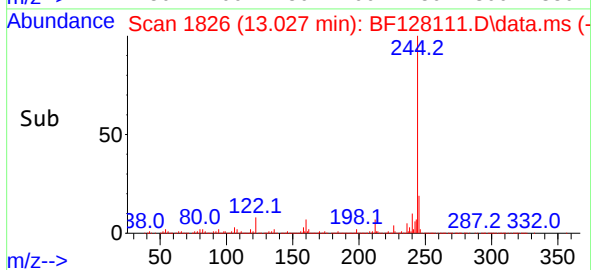
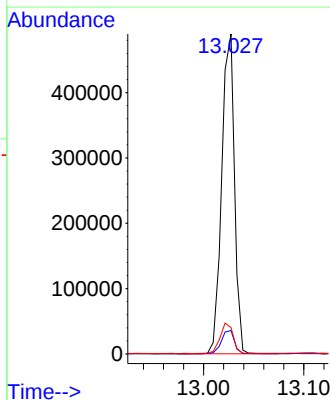
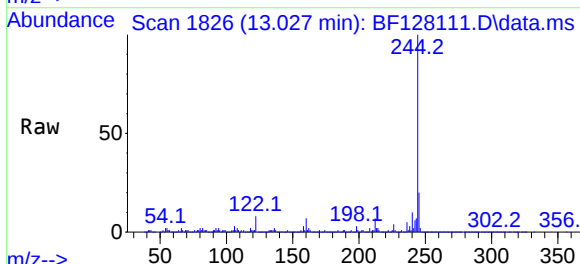
Manual Integrations
APPROVED

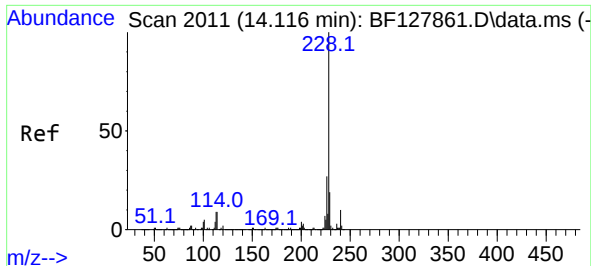
Reviewed By :Christian Giraldo 05/06/2022
Supervised By :mohammad ahmed 05/09/2022



#79
Terphenyl-d14
Concen: 47.692 ng
RT: 13.027 min Scan# 1826
Delta R.T. -0.006 min
Lab File: BF128111.D
Acq: 05 May 2022 23:15

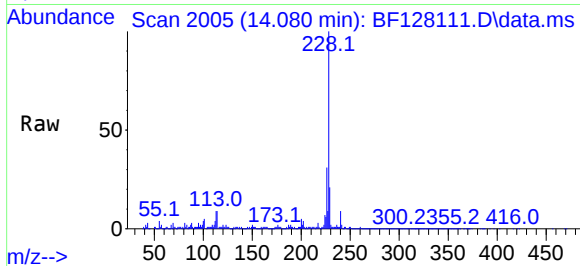
Tgt Ion:244 Resp: 431099
Ion Ratio Lower Upper
244 100
212 7.3 6.2 9.4
122 8.2 8.6 12.8#





#81
Benzo(a)anthracene
Concen: 39.592 ng
RT: 14.080 min Scan# 2011
Delta R.T. 0.000 min
Lab File: BF128111.D
Acq: 05 May 2022 23:15

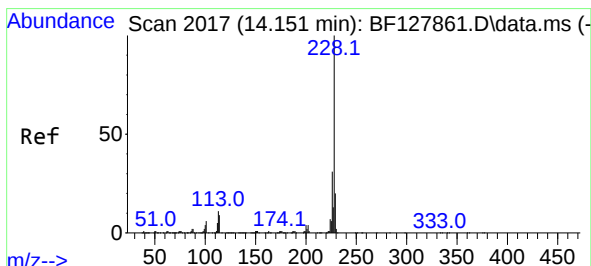
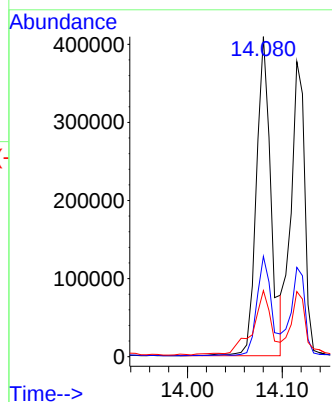
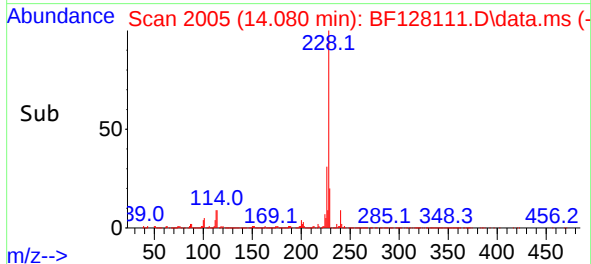
Instrument :
BNA_F
ClientSampleId :
SHALLOW-WC-1



Tgt Ion:228 Resp: 436175
Ion Ratio Lower Upper
228 100
226 31.3 21.7 32.5
229 20.7 15.4 23.2

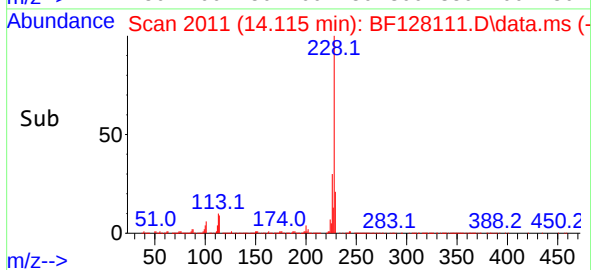
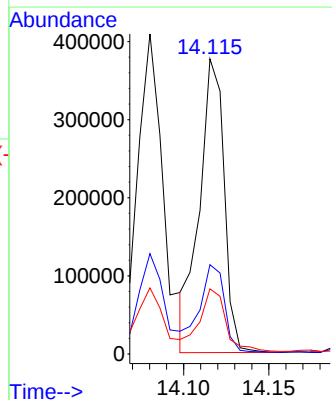
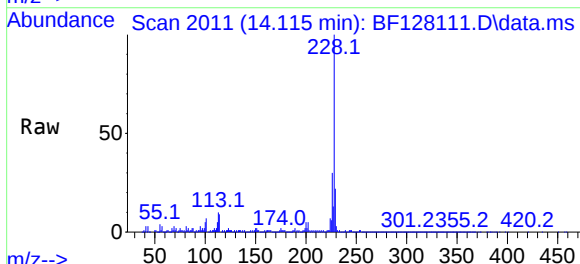
Manual Integrations
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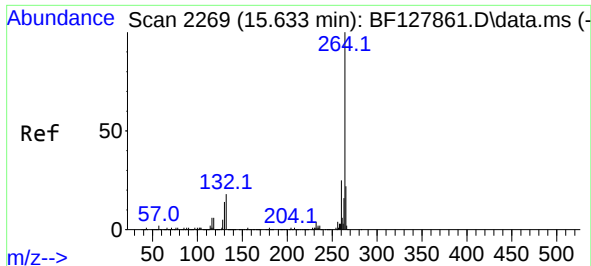
Reviewed By :Christian Giraldo 05/06/2022
Supervised By :mohammad ahmed 05/09/2022



#83
Chrysene
Concen: 35.957 ng
RT: 14.115 min Scan# 2011
Delta R.T. -0.006 min
Lab File: BF128111.D
Acq: 05 May 2022 23:15

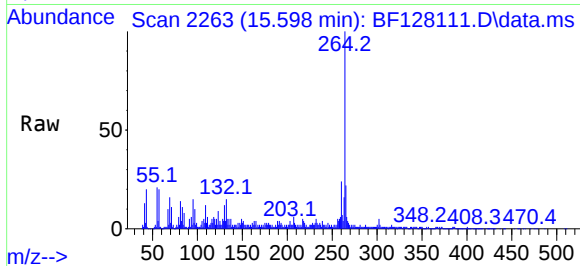
Tgt Ion:228 Resp: 378320
Ion Ratio Lower Upper
228 100
226 30.3 24.4 36.6
229 22.1 15.8 23.8





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.598 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF128111.D
Acq: 05 May 2022 23:15

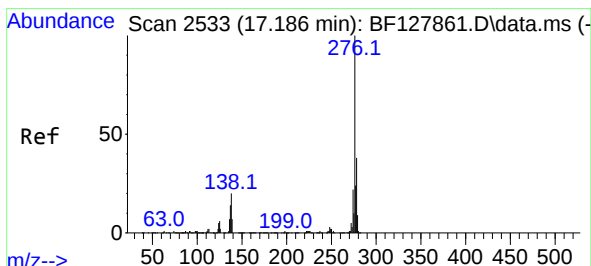
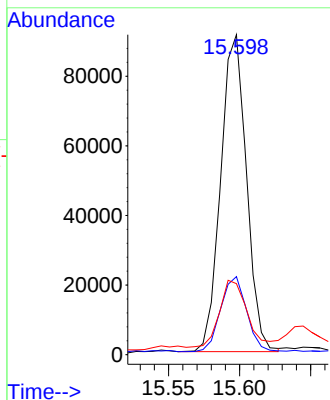
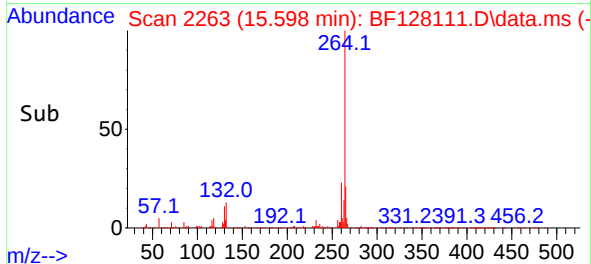
Instrument :
BNA_F
ClientSampleId :
SHALLOW-WC-1



Tgt Ion:264 Resp: 115000
Ion Ratio Lower Upper
264 100
260 24.4 20.1 30.1
265 22.2 17.5 26.3

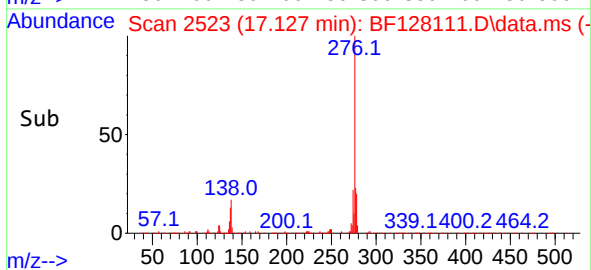
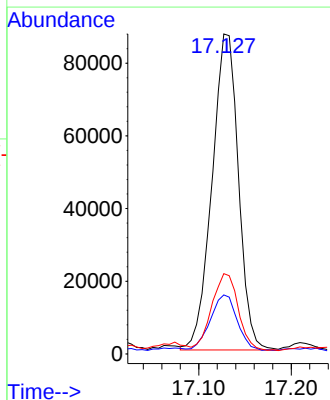
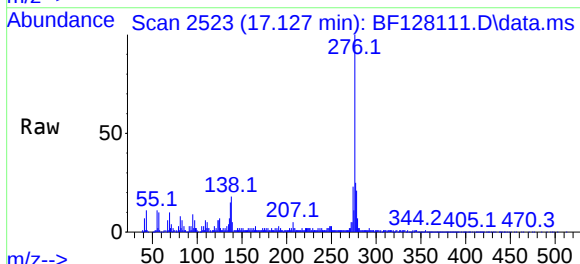
Manual Integrations
APPROVED

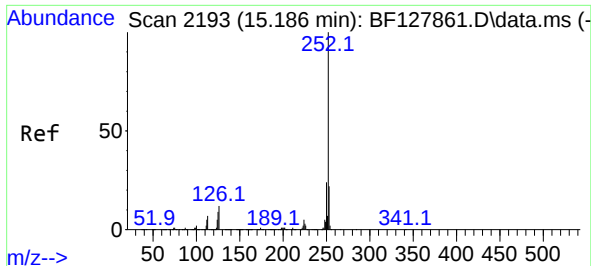
Reviewed By :Christian Giraldo 05/06/2022
Supervised By :mohammad ahmed 05/09/2022



#87
Indeno(1,2,3-cd)pyrene
Concen: 22.498 ng m
RT: 17.127 min Scan# 2523
Delta R.T. 0.000 min
Lab File: BF128111.D
Acq: 05 May 2022 23:15

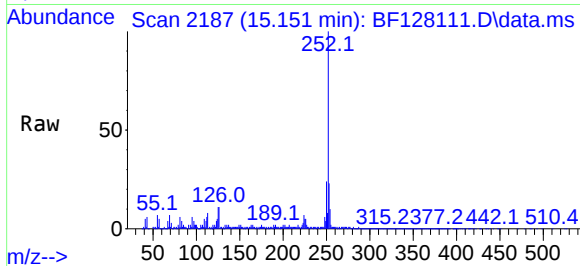
Tgt Ion:276 Resp: 172705
Ion Ratio Lower Upper
276 100
138 4.1 19.0 28.4#
277 5.0 20.1 30.1#





#88
Benzo(b)fluoranthene
Concen: 54.596 ng m
RT: 15.151 min Scan# 2192
Delta R.T. 0.000 min
Lab File: BF128111.D
Acq: 05 May 2022 23:15

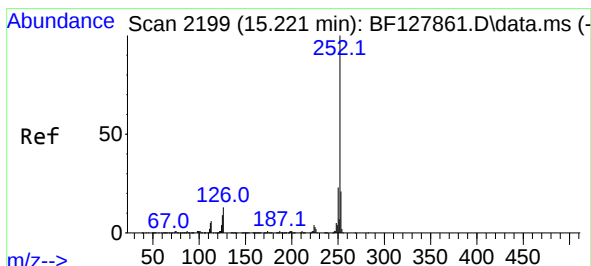
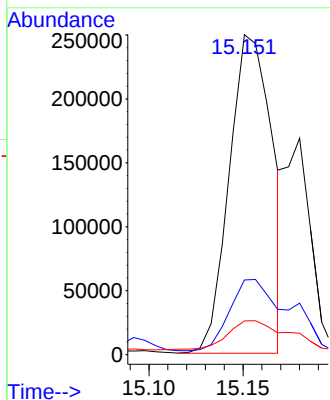
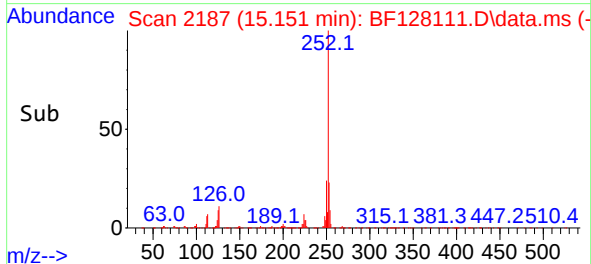
Instrument :
BNA_F
ClientSampleId :
SHALLOW-WC-1



Tgt Ion:252 Resp: 394378
Ion Ratio Lower Upper
252 100
253 23.4 17.4 26.2
125 10.5 7.4 11.2

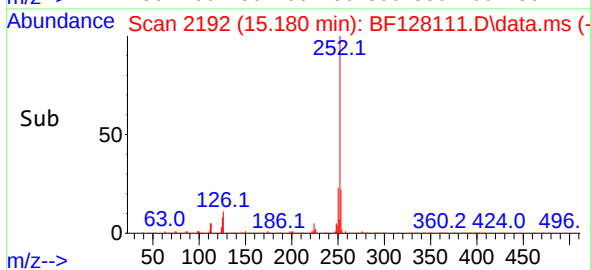
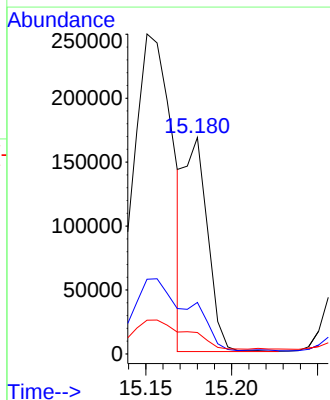
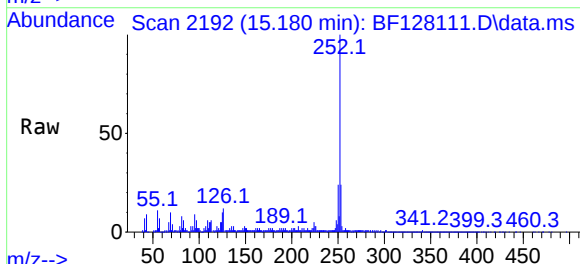
Manual Integrations
APPROVED

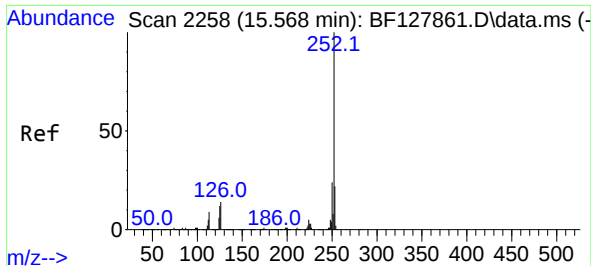
Reviewed By :Christian Giraldo 05/06/2022
Supervised By :mohammad ahmed 05/09/2022



#89
Benzo(k)fluoranthene
Concen: 21.194 ng m
RT: 15.180 min Scan# 2192
Delta R.T. 0.000 min
Lab File: BF128111.D
Acq: 05 May 2022 23:15

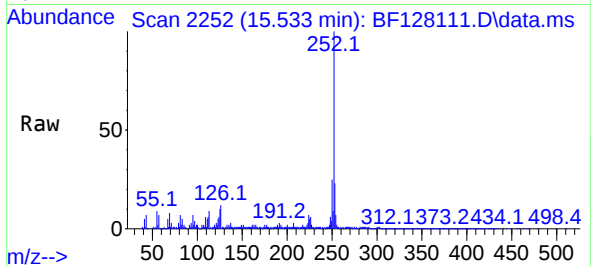
Tgt Ion:252 Resp: 154241
Ion Ratio Lower Upper
252 100
253 23.8 17.0 25.4
125 9.9 6.8 10.2





#90
Benzo(a)pyrene
Concen: 42.060 ng
RT: 15.533 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF128111.D
Acq: 05 May 2022 23:15

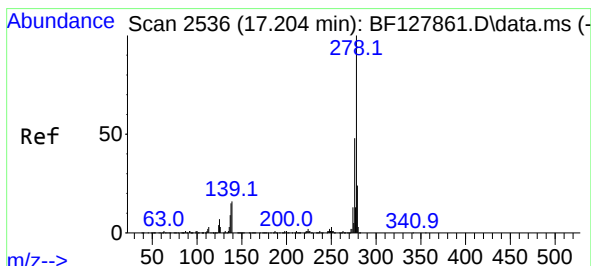
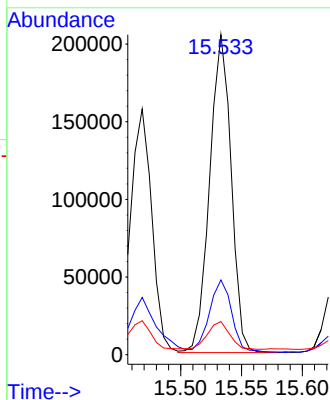
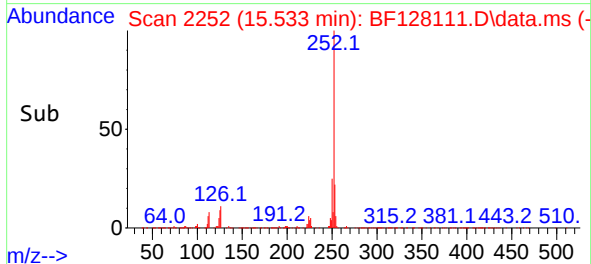
Instrument :
BNA_F
ClientSampleId :
SHALLOW-WC-1



Tgt Ion:252 Resp: 252019
Ion Ratio Lower Upper
252 100
253 23.4 17.8 26.6
125 10.3 9.2 13.8

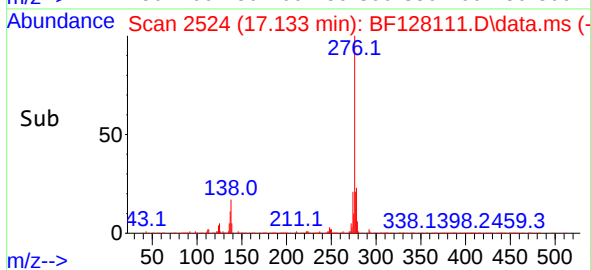
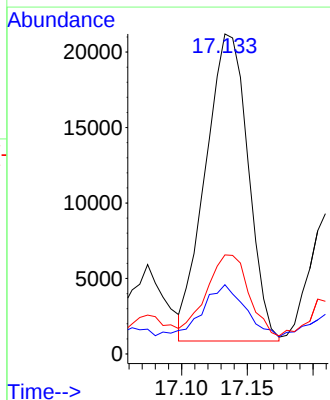
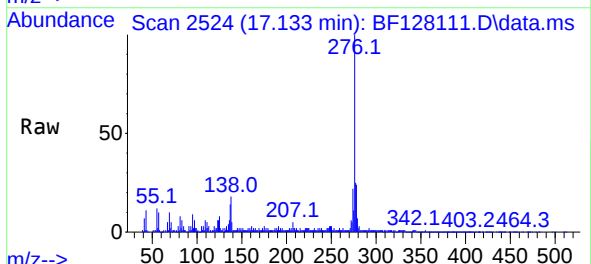
Manual Integrations
APPROVED

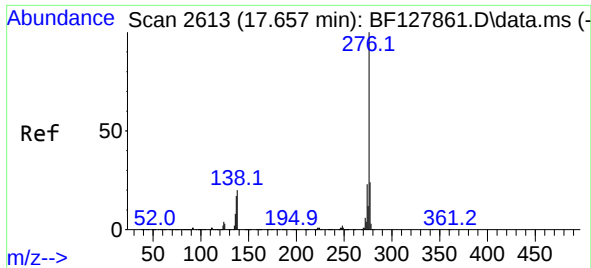
Reviewed By :Christian Giraldo 05/06/2022
Supervised By :mohammad ahmed 05/09/2022



#91
Dibenzo(a,h)anthracene
Concen: 7.454 ng m
RT: 17.133 min Scan# 2524
Delta R.T. -0.012 min
Lab File: BF128111.D
Acq: 05 May 2022 23:15

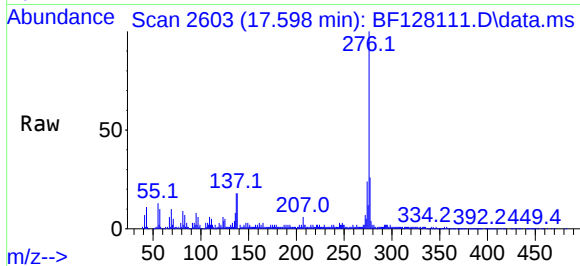
Tgt Ion:278 Resp: 45891
Ion Ratio Lower Upper
278 100
139 21.6 12.6 19.0#
279 30.9 18.9 28.3#





#92
Benzo(g,h,i)perylene
Concen: 24.916 ng
RT: 17.598 min Scan# 20
Delta R.T. 0.000 min
Lab File: BF128111.D
Acq: 05 May 2022 23:15

Instrument :
BNA_F
ClientSampleId :
SHALLOW-WC-1



Tgt Ion:276 Resp: 161658
Ion Ratio Lower Upper
276 100
277 25.7 18.8 28.2
138 18.2 16.2 24.2

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 05/06/2022
Supervised By :mohammad ahmed 05/09/2022

