

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050522\
 Data File : BF128112.D
 Acq On : 05 May 2022 23:44
 Operator : CG\JU
 Sample : N2685-06 5X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-14B-5

Manual Integrations
 APPROVED

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

Quant Time: May 06 05:03:35 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	6.910	152	77173	20.000	ng	0.00
21) Naphthalene-d8	8.198	136	245937	20.000	ng	# 0.00
39) Acenaphthene-d10	9.963	164	117229	20.000	ng	0.01
64) Phenanthrene-d10	11.457	188	179919	20.000	ng	# 0.01
76) Chrysene-d12	14.110	240	137097	20.000	ng	# 0.02
86) Perylene-d12	15.621	264	104170	20.000	ng	0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.522	112	24493	5.055	ng	-0.01
7) Phenol-d6	6.528	99	104928	16.690	ng	-0.02
23) Nitrobenzene-d5	7.469	82	105066	20.089	ng	-0.01
42) 2,4,6-Tribromophenol	10.757	330	2117	1.794	ng	0.01
45) 2-Fluorobiphenyl	9.269	172	116272	16.779	ng	0.00
79) Terphenyl-d14	13.039	244	109681	14.629	ng	0.00
Target Compounds						Qvalue
37) 2-Methylnaphthalene	8.916	142	152845	18.463	ng	97
38) 1-Methylnaphthalene	9.016	142	225338	28.005	ng	99
58) Fluorene	10.510	166	49782	6.802	ng	# 78
71) Phenanthrene	11.480	178	168246m	17.864	ng	
72) Anthracene	11.533	178	26967	2.874	ng	# 63
75) Fluoranthene	12.680	202	65077	6.565	ng	88
78) Pyrene	12.910	202	133973	12.105	ng	# 91
81) Benzo(a)anthracene	14.098	228	84654	9.264	ng	# 75
83) Chrysene	14.133	228	118247	13.549	ng	# 81
87) Indeno(1,2,3-cd)pyrene	17.151	276	25479	3.664	ng	# 92
88) Benzo(b)fluoranthene	15.168	252	44750m	6.840	ng	
90) Benzo(a)pyrene	15.557	252	52171	9.613	ng	# 67
91) Dibenzo(a,h)anthracene	17.156	278	23306	4.179	ng	# 49
92) Benzo(g,h,i)perylene	17.621	276	46175	7.857	ng	# 88

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

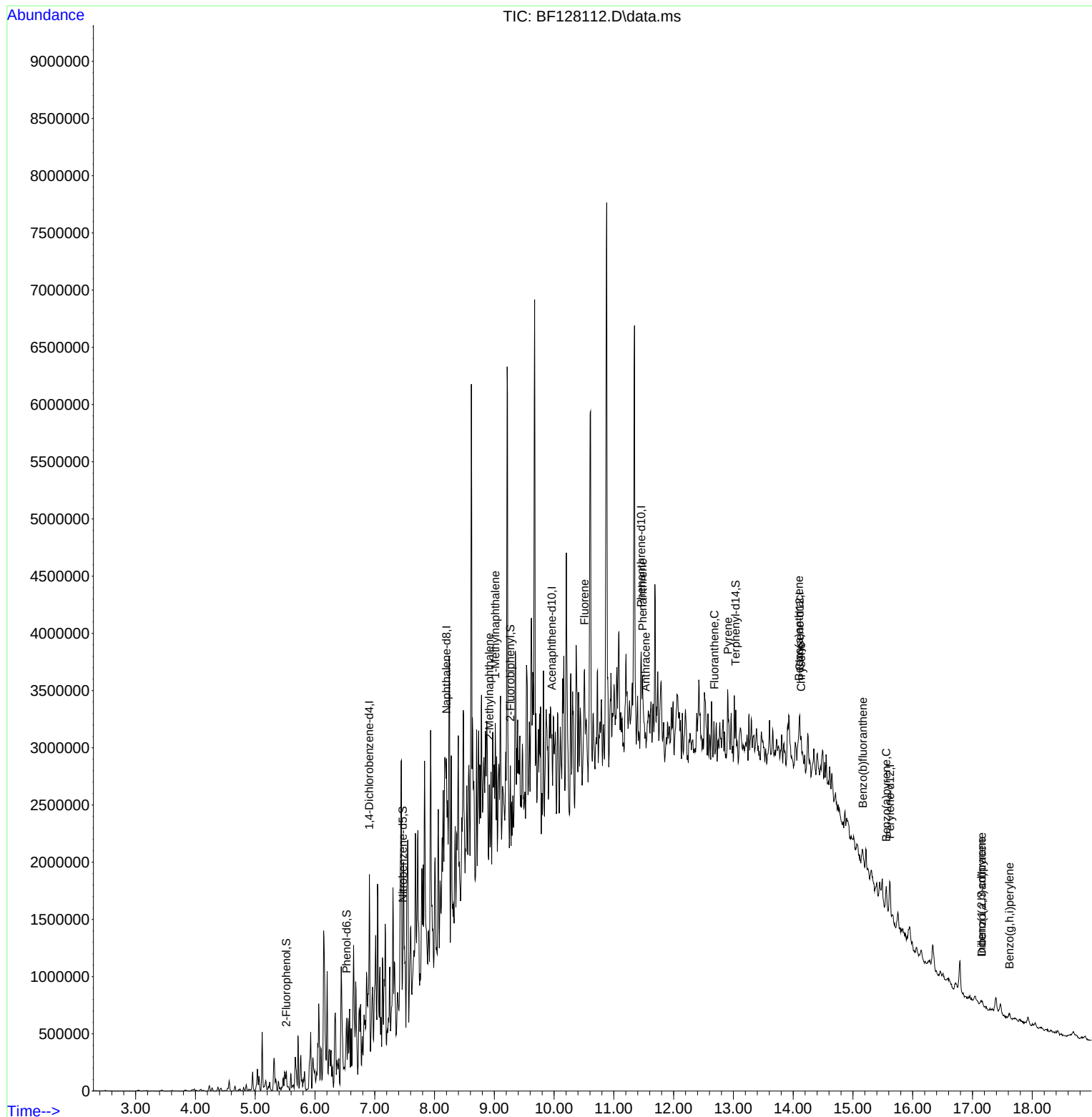
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050522\
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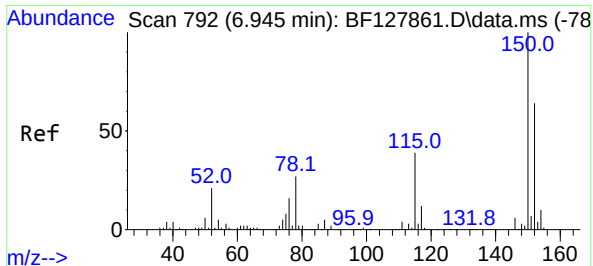
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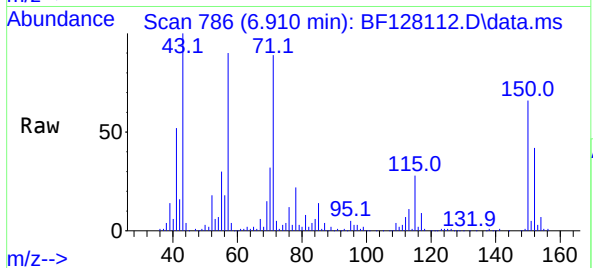
Quant Time: May 06 05:03:35 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042222.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu May 05 17:56:23 2022
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#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.910 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF128112.D
Acq: 05 May 2022 23:44

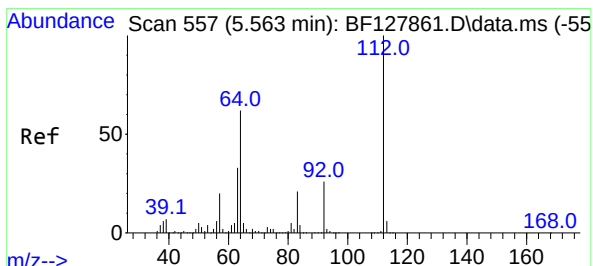
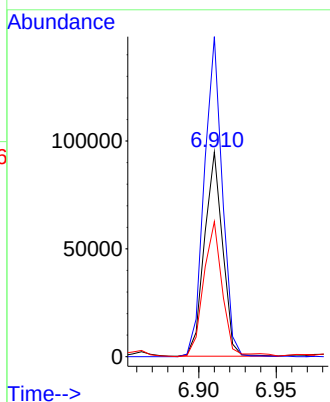
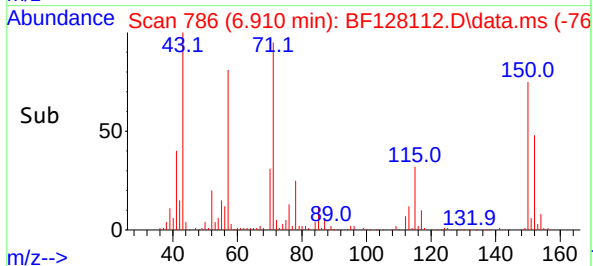
Instrument :
BNA_F
ClientSampleId :
WC-14B-5



Tgt Ion:152 Resp: 7717
Ion Ratio Lower Upper
152 100
150 156.3 125.3 187.9
115 66.0 48.8 73.2

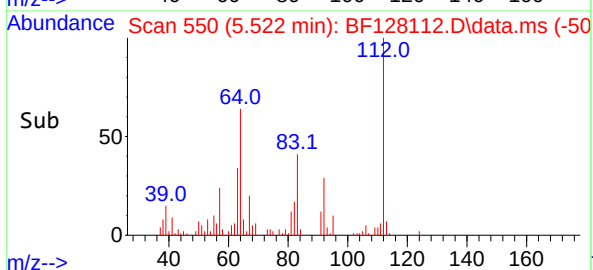
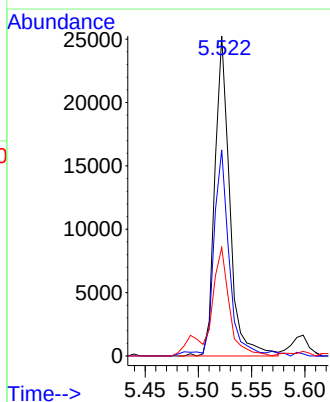
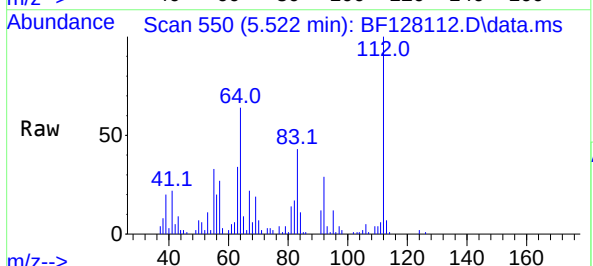
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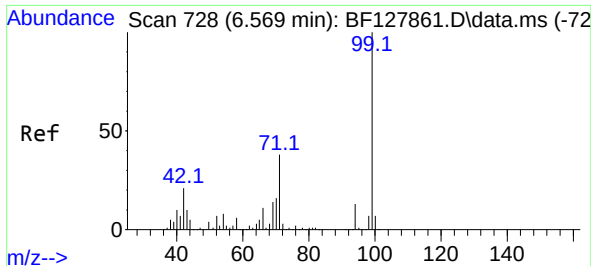
Reviewed By :Christian Giraldo 05/06/2022
Supervised By :mohammad ahmed 05/09/2022



#5
2-Fluorophenol
Concen: 5.055 ng
RT: 5.522 min Scan# 550
Delta R.T. -0.012 min
Lab File: BF128112.D
Acq: 05 May 2022 23:44

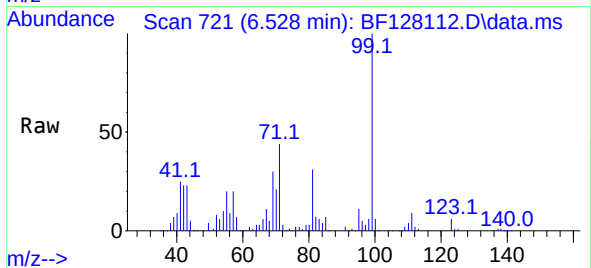
Tgt Ion:112 Resp: 24493
Ion Ratio Lower Upper
112 100
64 64.4 49.5 74.3
63 33.8 26.3 39.5





#7
Phenol-d6
Concen: 16.690 ng
RT: 6.528 min Scan# 71
Delta R.T. -0.018 min
Lab File: BF128112.D
Acq: 05 May 2022 23:44

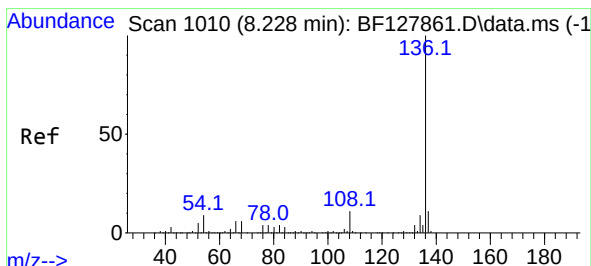
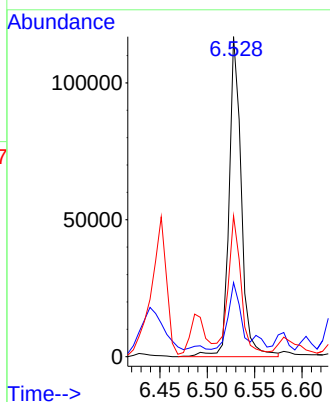
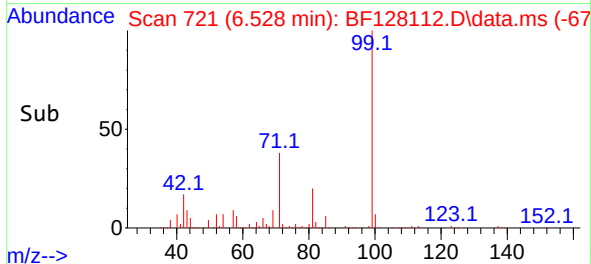
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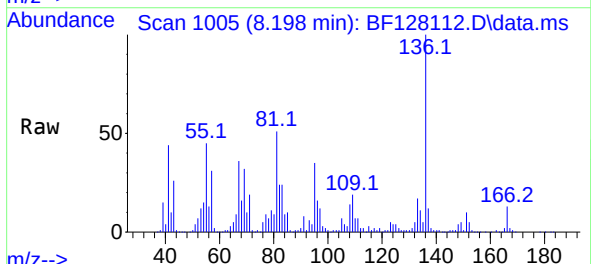
Tgt Ion: 99 Resp: 104928
Ion Ratio Lower Upper
99 100
42 23.2 16.6 24.8
71 44.0 30.0 45.0

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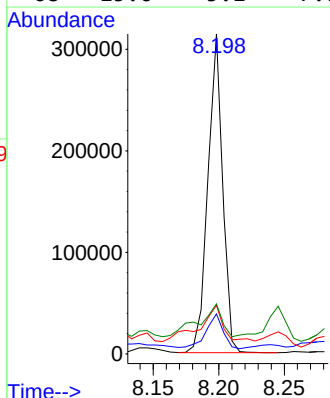
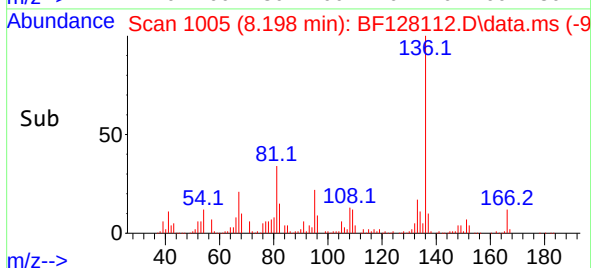
Reviewed By :Christian Giraldo 05/06/2022
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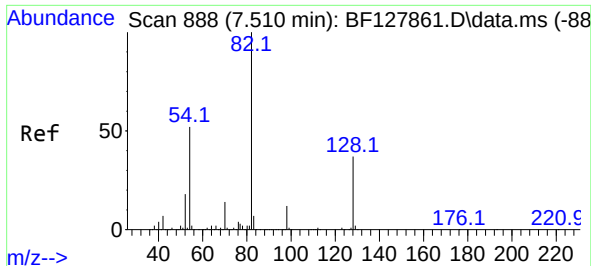


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.198 min Scan# 1005
Delta R.T. 0.000 min
Lab File: BF128112.D
Acq: 05 May 2022 23:44



Tgt Ion:136 Resp: 245937
Ion Ratio Lower Upper
136 100
137 12.5 8.6 13.0
54 15.2 6.8 10.2#
68 15.6 5.1 7.7#





#23

Nitrobenzene-d5

Concen: 20.089 ng

RT: 7.469 min Scan# 81

Delta R.T. -0.012 min

Lab File: BF128112.D

Acq: 05 May 2022 23:44

Instrument :

BNA_F

ClientSampleId :

WC-14B-5

Tgt Ion: 82 Resp: 105060

Ion Ratio Lower Upper

82 100

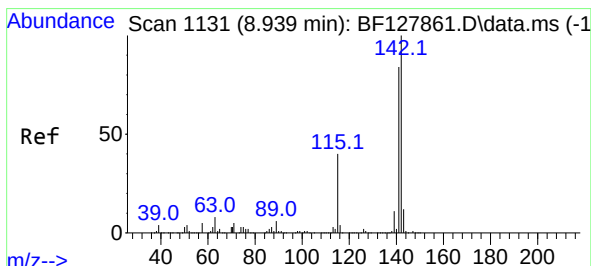
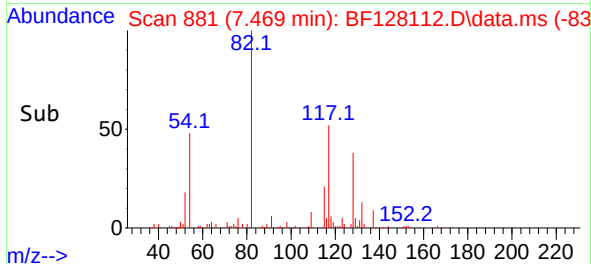
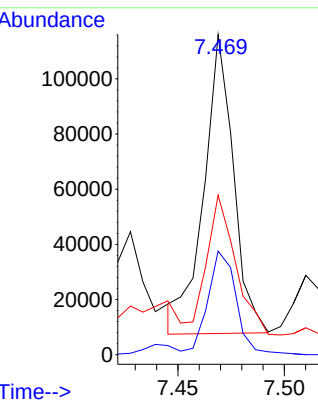
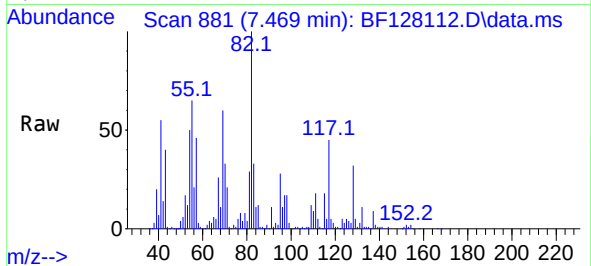
128 32.3 30.0 45.0

54 49.8 41.3 61.9

Manual Integrations

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#37

2-Methylnaphthalene

Concen: 18.463 ng

RT: 8.916 min Scan# 1127

Delta R.T. 0.006 min

Lab File: BF128112.D

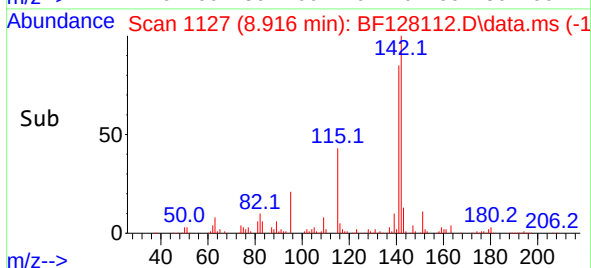
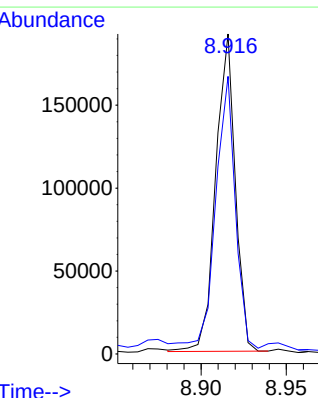
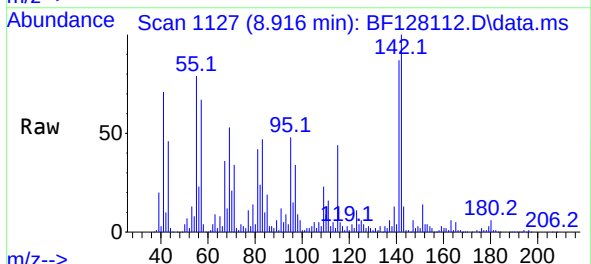
Acq: 05 May 2022 23:44

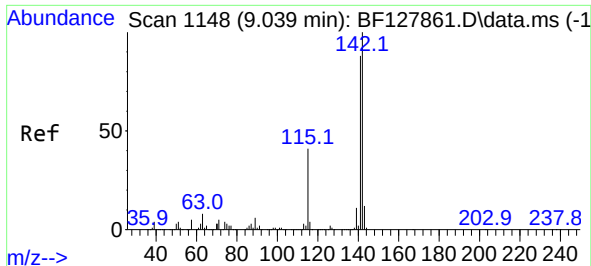
Tgt Ion:142 Resp: 152845

Ion Ratio Lower Upper

142 100

141 86.7 67.4 101.2





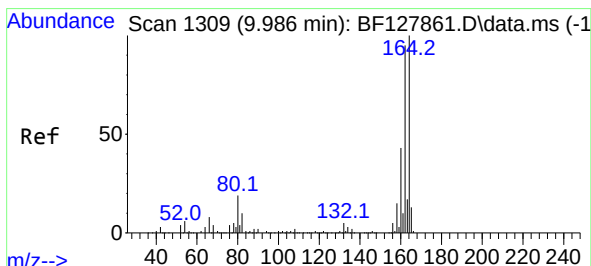
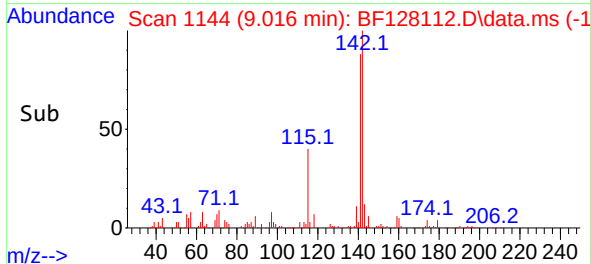
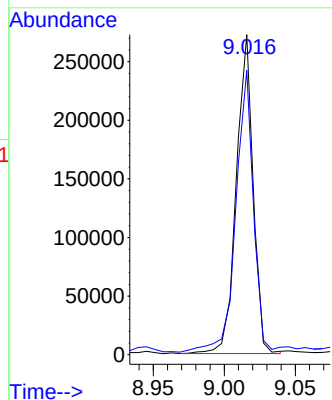
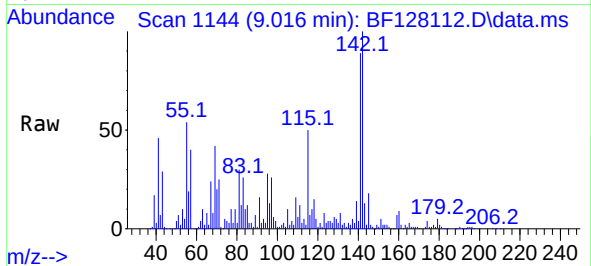
#38
1-Methylnaphthalene
Concen: 28.005 ng
RT: 9.016 min Scan# 1144
Delta R.T. 0.006 min
Lab File: BF128112.D
Acq: 05 May 2022 23:44

Instrument :
BNA_F
ClientSampleId :
WC-14B-5

Tgt Ion:142 Resp: 225338
Ion Ratio Lower Upper
142 100
141 88.9 70.1 105.1

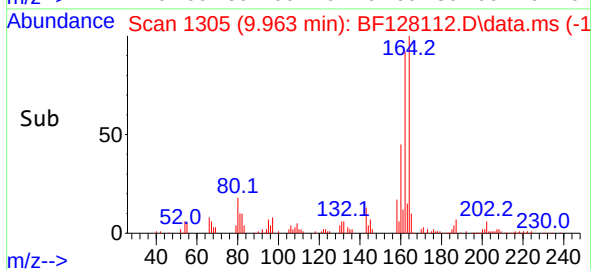
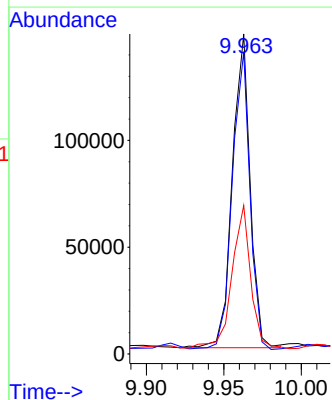
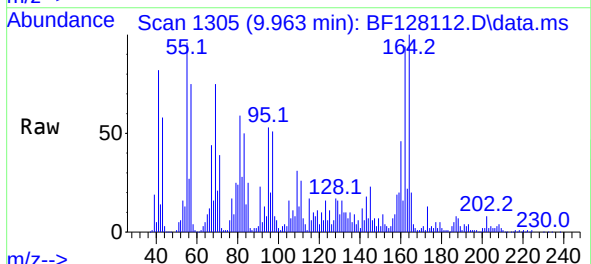
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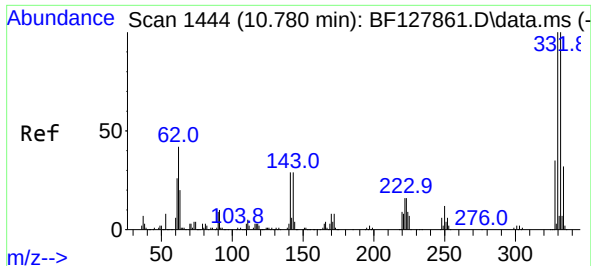
Reviewed By :Christian Giraldo 05/06/2022
Supervised By :mohammad ahmed 05/09/2022



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.963 min Scan# 1305
Delta R.T. 0.012 min
Lab File: BF128112.D
Acq: 05 May 2022 23:44

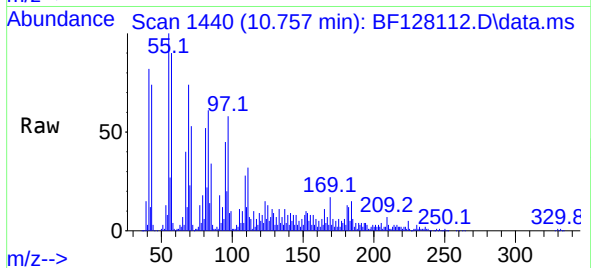
Tgt Ion:164 Resp: 117229
Ion Ratio Lower Upper
164 100
162 94.4 76.0 114.0
160 46.4 34.8 52.2





#42
2,4,6-Tribromophenol
Concen: 1.794 ng
RT: 10.757 min Scan# 1444
Delta R.T. 0.012 min
Lab File: BF128112.D
Acq: 05 May 2022 23:44

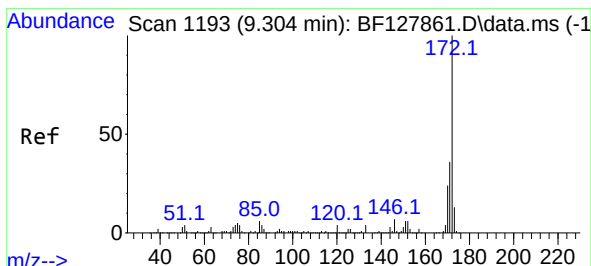
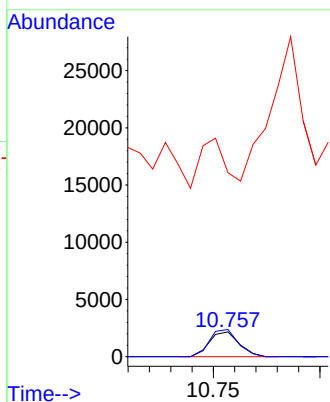
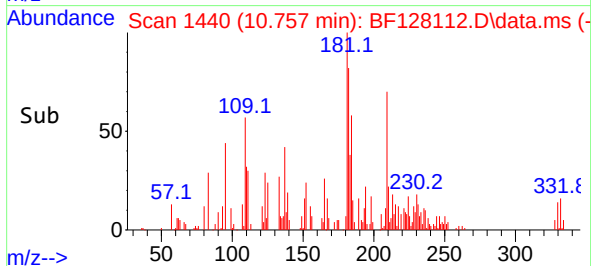
Instrument :
BNA_F
ClientSampleId :
WC-14B-5



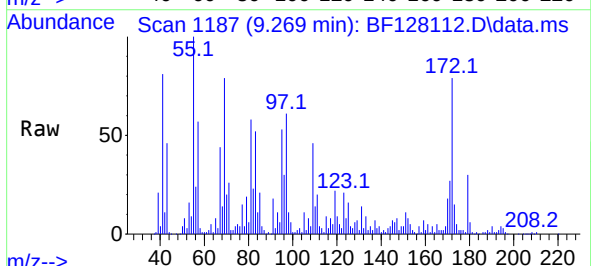
Tgt Ion: 330 Resp: 211
Ion Ratio Lower Upper
330 100
332 105.2 79.0 118.4
141 167.9 28.9 43.3

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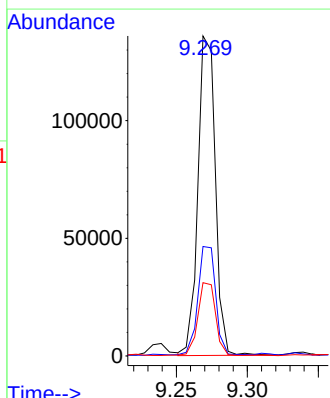
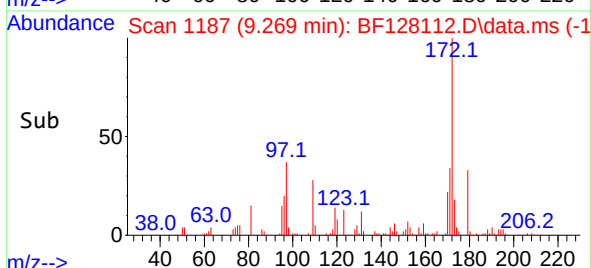
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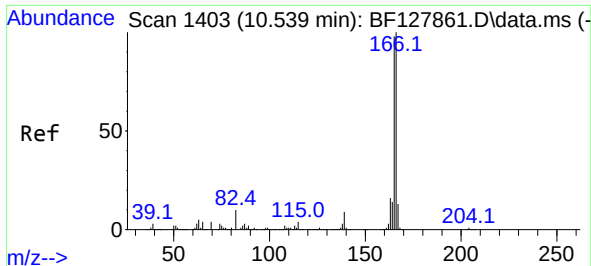


#45
2-Fluorobiphenyl
Concen: 16.779 ng
RT: 9.269 min Scan# 1187
Delta R.T. 0.000 min
Lab File: BF128112.D
Acq: 05 May 2022 23:44



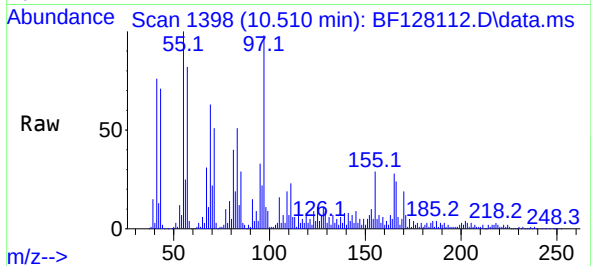
Tgt Ion: 172 Resp: 116272
Ion Ratio Lower Upper
172 100
171 34.2 28.6 42.8
170 22.9 19.1 28.7





#58
Fluorene
Concen: 6.802 ng
RT: 10.510 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF128112.D
Acq: 05 May 2022 23:44

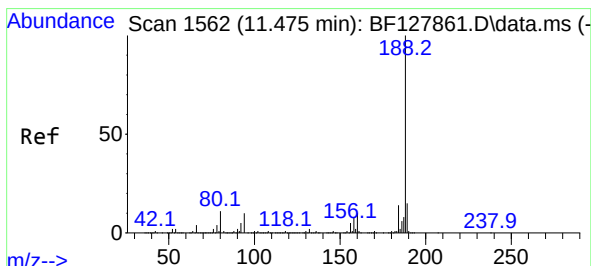
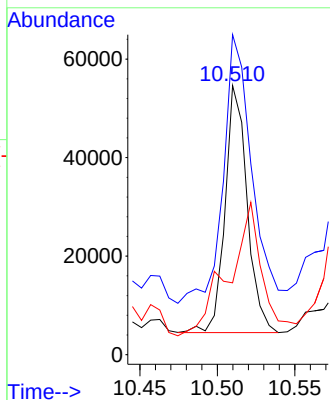
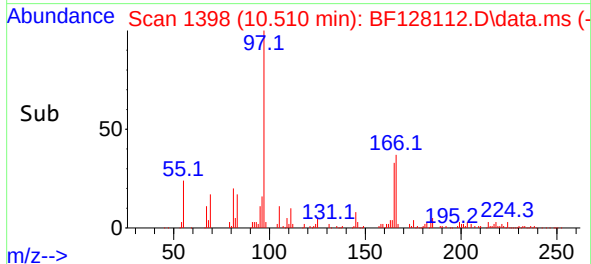
Instrument :
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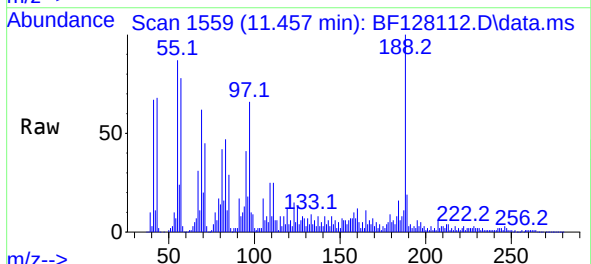
Tgt Ion:166 Resp: 4978
Ion Ratio Lower Upper
166 100
165 118.9 78.6 117.8
167 26.7 10.5 15.7

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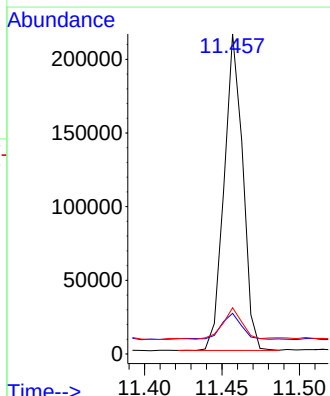
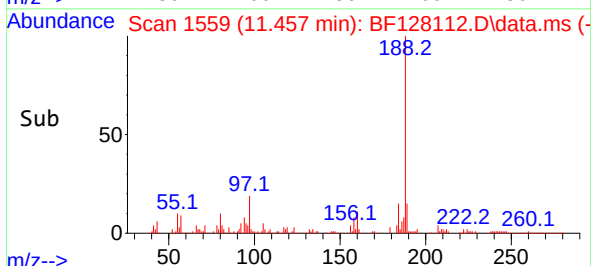
Reviewed By :Christian Giraldo 05/06/2022
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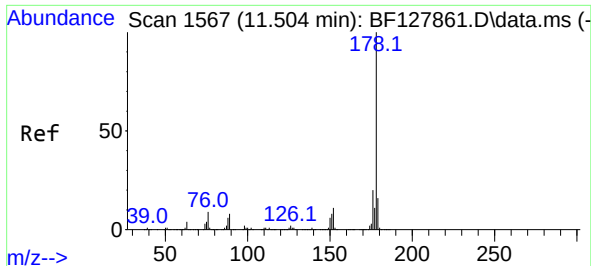


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.457 min Scan# 1559
Delta R.T. 0.012 min
Lab File: BF128112.D
Acq: 05 May 2022 23:44



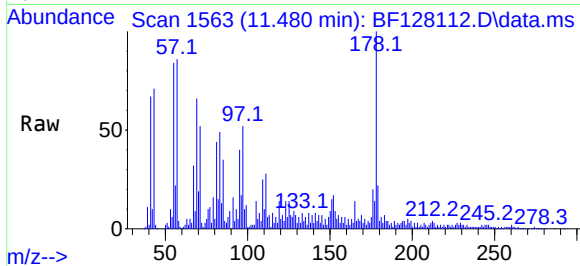
Tgt Ion:188 Resp: 179919
Ion Ratio Lower Upper
188 100
94 12.7 8.0 12.0#
80 14.5 8.9 13.3#





#71
Phenanthrene
Concen: 17.864 ng m
RT: 11.480 min Scan# 1563
Delta R.T. 0.006 min
Lab File: BF128112.D
Acq: 05 May 2022 23:44

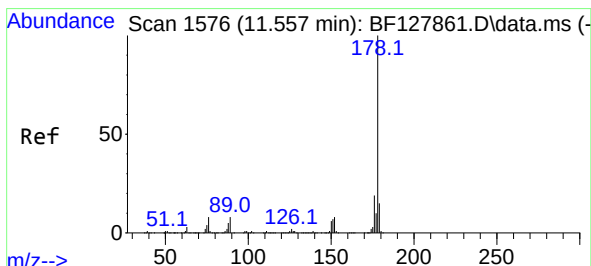
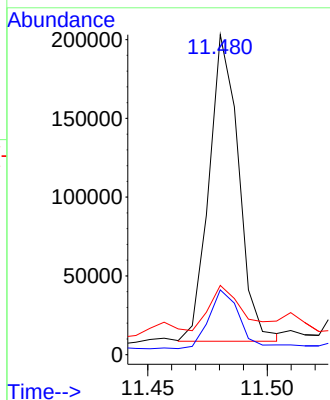
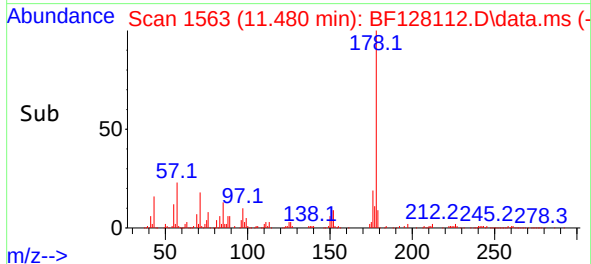
Instrument :
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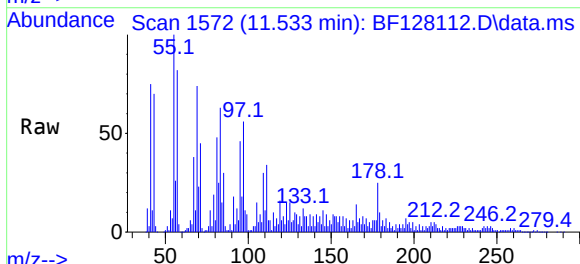
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Ion Ratio Lower Upper
178 100
176 20.3 15.7 23.5
179 21.7 12.6 19.0

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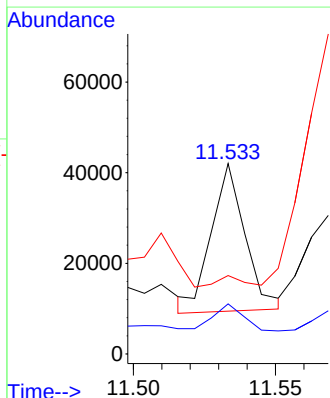
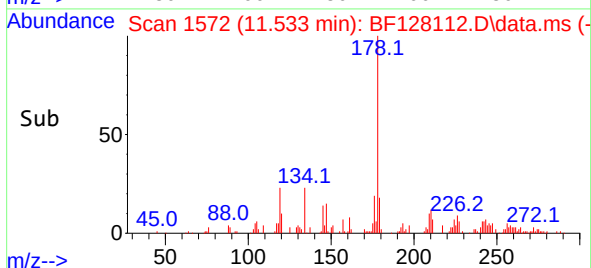
Reviewed By :Christian Giraldo 05/06/2022
Supervised By :mohammad ahmed 05/09/2022

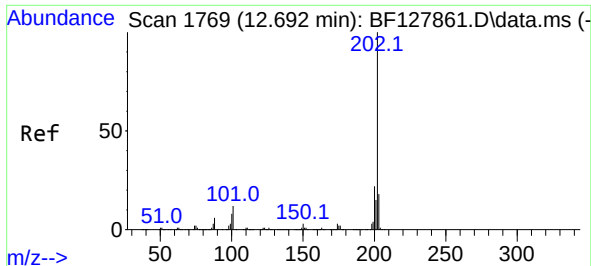


#72
Anthracene
Concen: 2.874 ng
RT: 11.533 min Scan# 1572
Delta R.T. 0.012 min
Lab File: BF128112.D
Acq: 05 May 2022 23:44



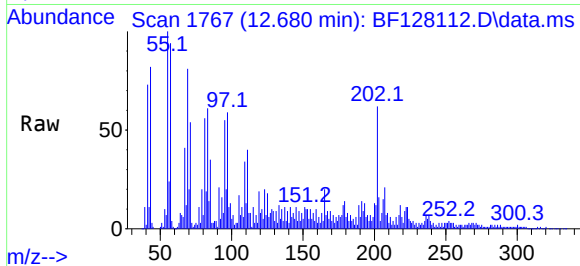
Tgt Ion:178 Resp: 26967
Ion Ratio Lower Upper
178 100
176 26.3 15.0 22.6#
179 41.2 12.4 18.6#





#75
Fluoranthene
Concen: 6.565 ng
RT: 12.680 min Scan# 11
Delta R.T. 0.018 min
Lab File: BF128112.D
Acq: 05 May 2022 23:44

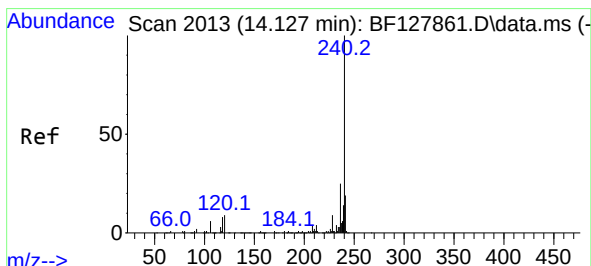
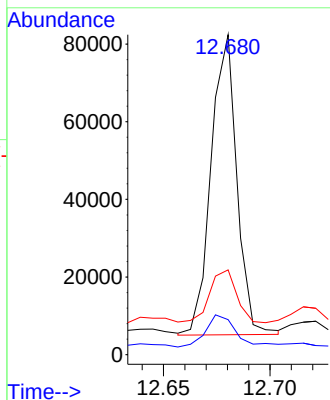
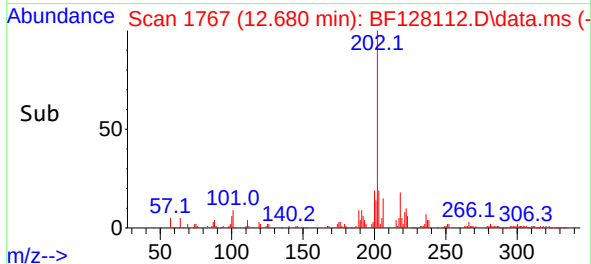
Instrument :
BNA_F
ClientSampleId :
WC-14B-5



Tgt Ion:202 Resp: 6507
Ion Ratio Lower Upper
202 100
101 11.0 0.0 31.6
203 26.5 0.0 38.1

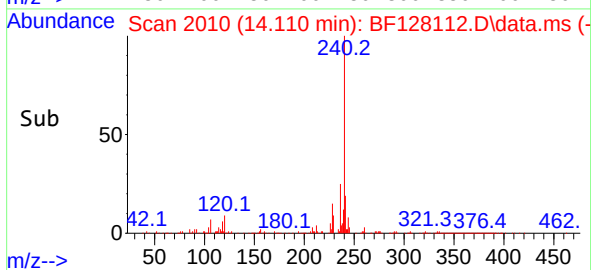
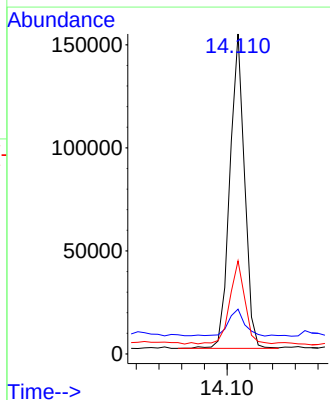
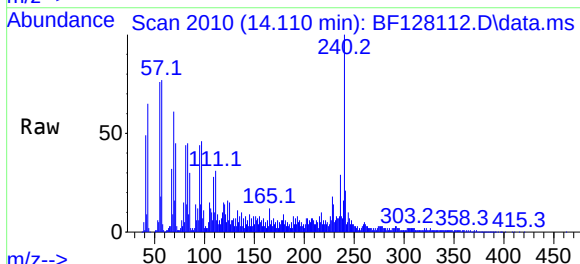
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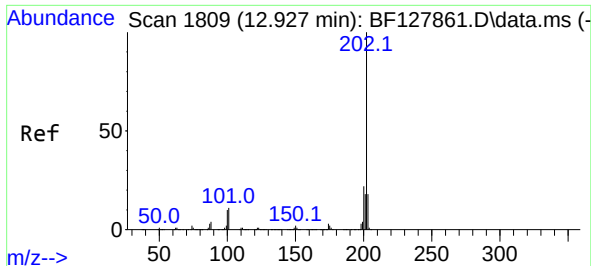
Reviewed By :Christian Giraldo 05/06/2022
Supervised By :mohammad ahmed 05/09/2022



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.110 min Scan# 2010
Delta R.T. 0.018 min
Lab File: BF128112.D
Acq: 05 May 2022 23:44

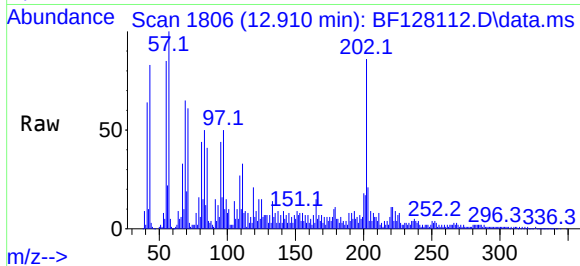
Tgt Ion:240 Resp: 137097
Ion Ratio Lower Upper
240 100
120 14.0 7.0 10.6#
236 29.1 20.3 30.5





#78
Pyrene
Concen: 12.105 ng
RT: 12.910 min Scan# 1806
Delta R.T. 0.018 min
Lab File: BF128112.D
Acq: 05 May 2022 23:44

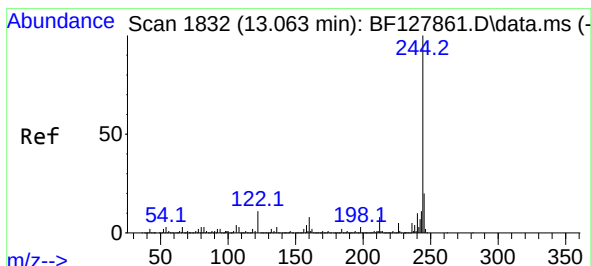
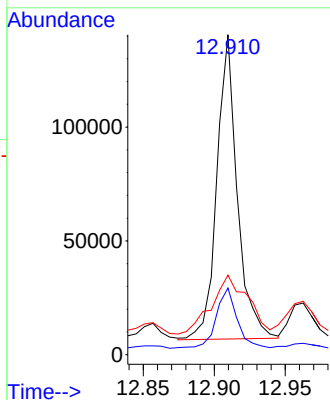
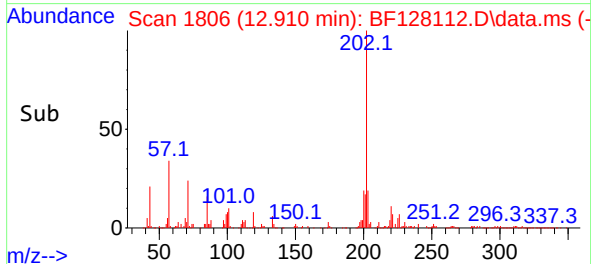
Instrument :
BNA_F
ClientSampleId :
WC-14B-5



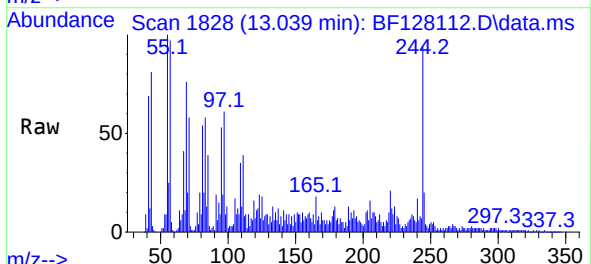
Tgt Ion:202 Resp: 13397
Ion Ratio Lower Upper
202 100
200 20.8 17.4 26.2
203 24.8 14.0 21.0

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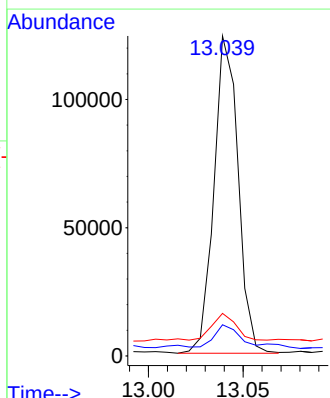
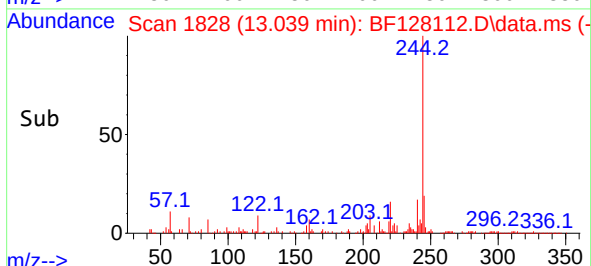
Reviewed By :Christian Giraldo 05/06/2022
Supervised By :mohammad ahmed 05/09/2022

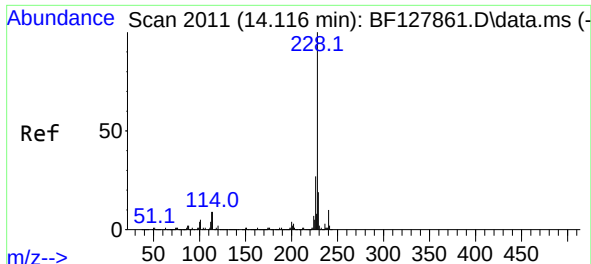


#79
Terphenyl-d14
Concen: 14.629 ng
RT: 13.039 min Scan# 1828
Delta R.T. 0.006 min
Lab File: BF128112.D
Acq: 05 May 2022 23:44



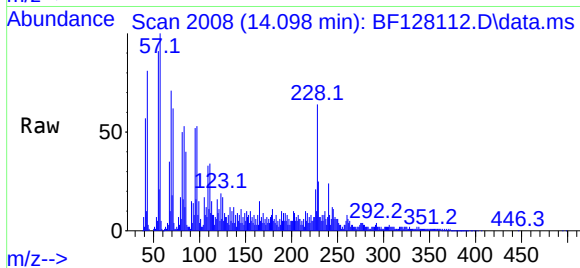
Tgt Ion:244 Resp: 109681
Ion Ratio Lower Upper
244 100
212 9.7 6.2 9.4#
122 13.3 8.6 12.8#





#81
Benzo(a)anthracene
Concen: 9.264 ng
RT: 14.098 min Scan# 2010
Delta R.T. 0.018 min
Lab File: BF128112.D
Acq: 05 May 2022 23:44

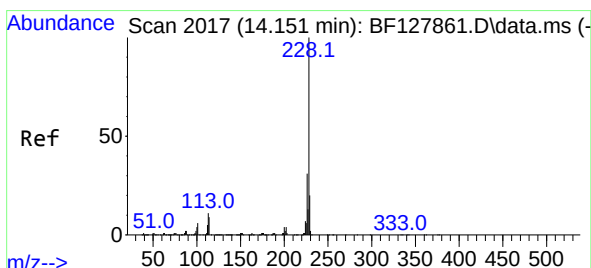
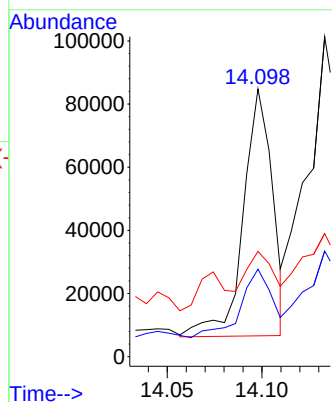
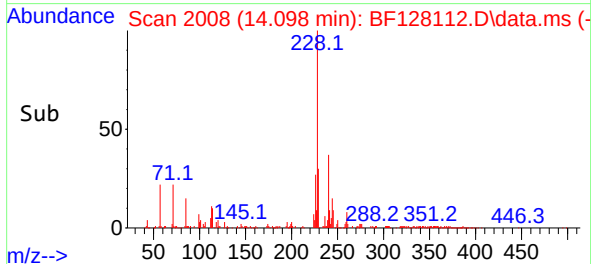
Instrument :
BNA_F
ClientSampleId :
WC-14B-5



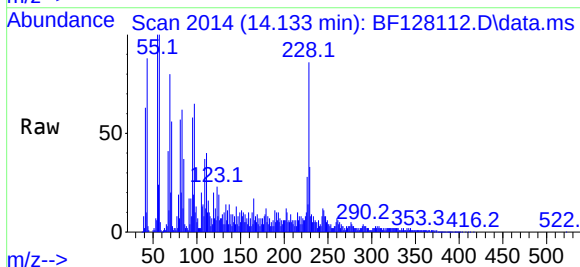
Tgt Ion:228 Resp: 84654
Ion Ratio Lower Upper
228 100
226 32.7 21.7 32.5
229 39.4 15.4 23.2

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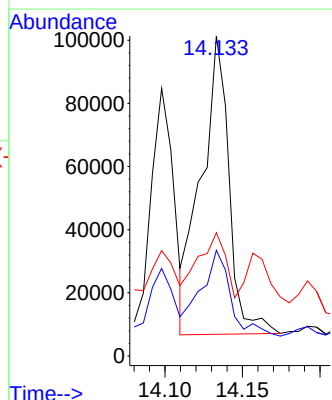
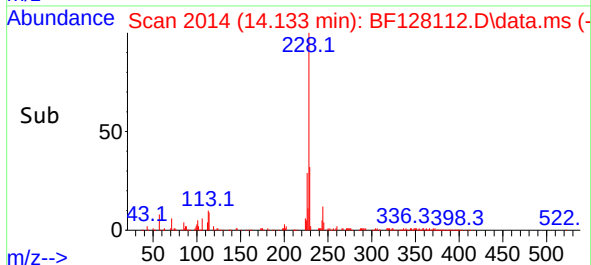
Reviewed By :Christian Giraldo 05/06/2022
Supervised By :mohammad ahmed 05/09/2022

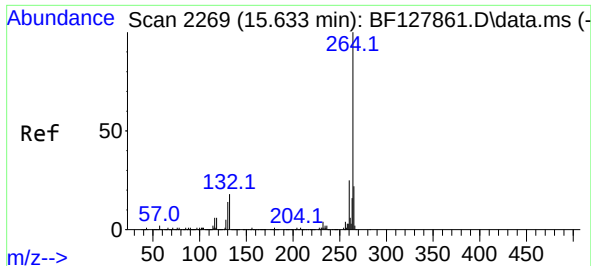


#83
Chrysene
Concen: 13.549 ng
RT: 14.133 min Scan# 2014
Delta R.T. 0.012 min
Lab File: BF128112.D
Acq: 05 May 2022 23:44



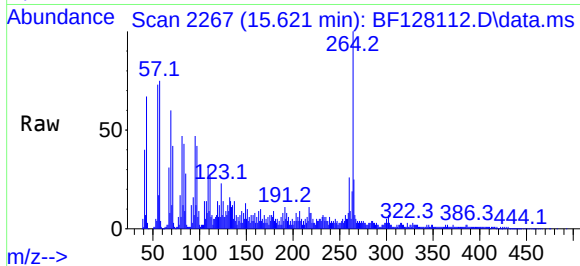
Tgt Ion:228 Resp: 118247
Ion Ratio Lower Upper
228 100
226 33.0 24.4 36.6
229 38.5 15.8 23.8





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.621 min Scan# 21
Delta R.T. 0.029 min
Lab File: BF128112.D
Acq: 05 May 2022 23:44

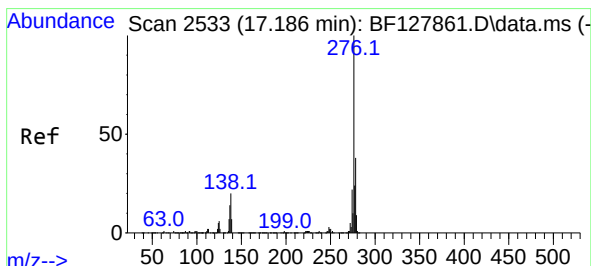
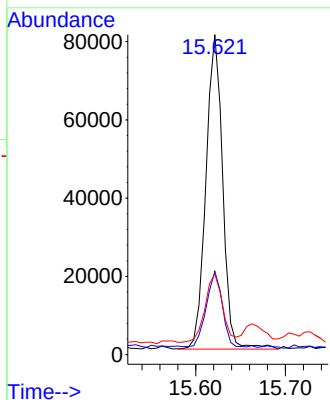
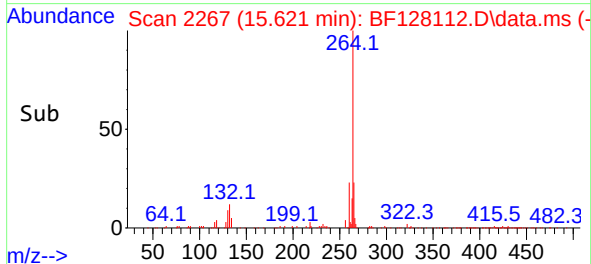
Instrument :
BNA_F
ClientSampleId :
WC-14B-5



Tgt Ion:264 Resp: 104170
Ion Ratio Lower Upper
264 100
260 26.1 20.1 30.1
265 25.2 17.5 26.3

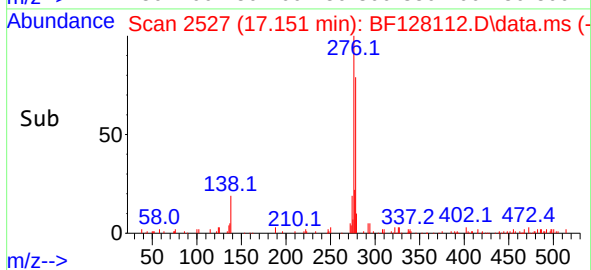
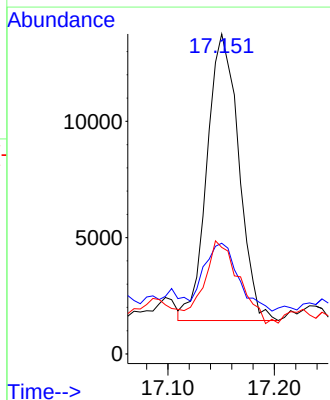
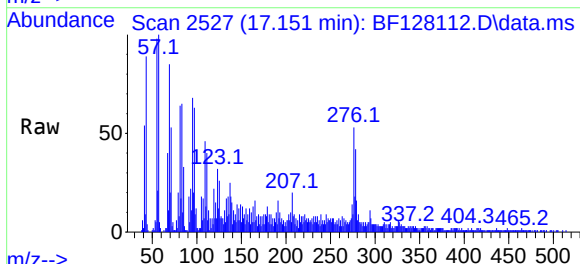
Manual Integrations
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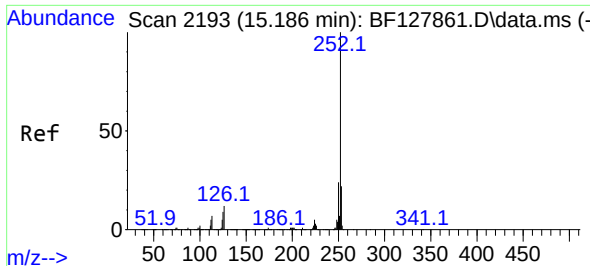
Reviewed By :Christian Giraldo 05/06/2022
Supervised By :mohammad ahmed 05/09/2022



#87
Indeno(1,2,3-cd)pyrene
Concen: 3.664 ng
RT: 17.151 min Scan# 2527
Delta R.T. 0.024 min
Lab File: BF128112.D
Acq: 05 May 2022 23:44

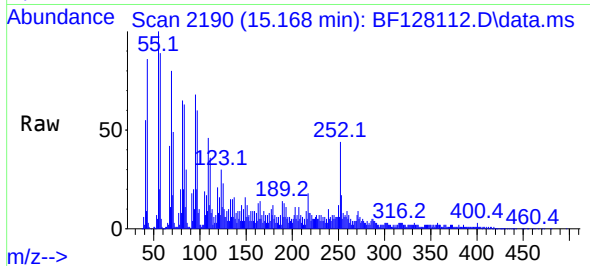
Tgt Ion:276 Resp: 25479
Ion Ratio Lower Upper
276 100
138 25.6 19.0 28.4
277 31.1 20.1 30.1#





#88
Benzo(b)fluoranthene
Concen: 6.840 ng m
RT: 15.168 min Scan# 2193
Delta R.T. 0.018 min
Lab File: BF128112.D
Acq: 05 May 2022 23:44

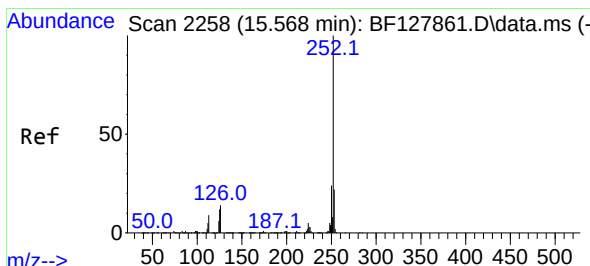
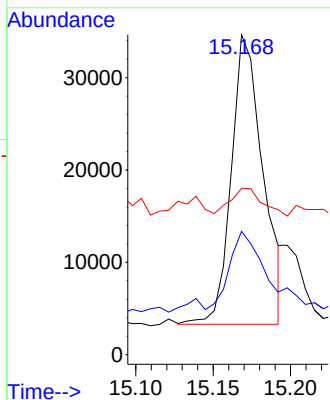
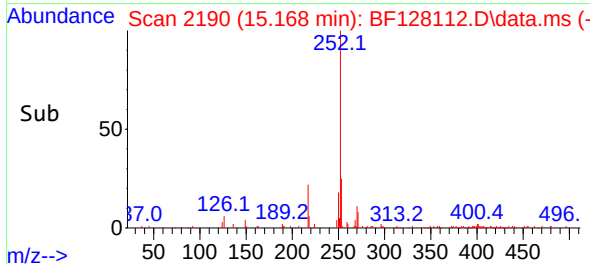
Instrument :
BNA_F
ClientSampleId :
WC-14B-5



Tgt Ion:252 Resp: 44750
Ion Ratio Lower Upper
252 100
253 38.5 17.4 26.2
125 52.0 7.4 11.2

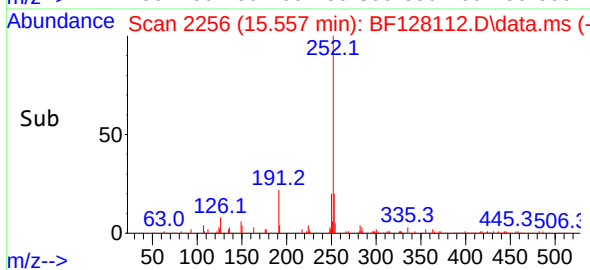
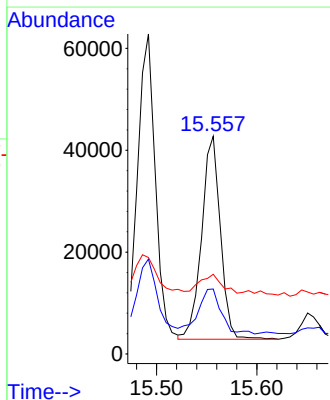
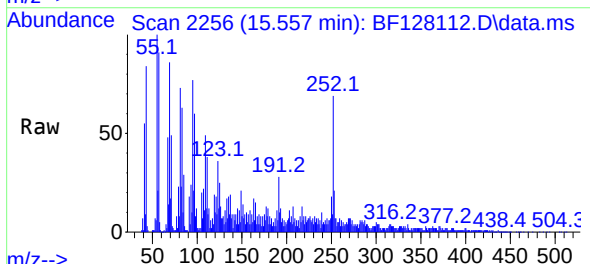
Manual Integrations
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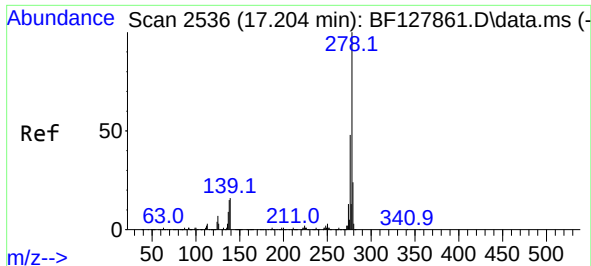
Reviewed By :Christian Giraldo 05/06/2022
Supervised By :mohammad ahmed 05/09/2022



#90
Benzo(a)pyrene
Concen: 9.613 ng
RT: 15.557 min Scan# 2256
Delta R.T. 0.024 min
Lab File: BF128112.D
Acq: 05 May 2022 23:44

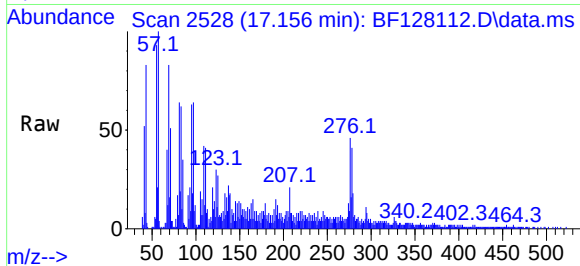
Tgt Ion:252 Resp: 52171
Ion Ratio Lower Upper
252 100
253 29.9 17.8 26.6#
125 36.6 9.2 13.8#





#91
Dibenzo(a,h)anthracene
Concen: 4.179 ng
RT: 17.156 min Scan# 21
Delta R.T. 0.012 min
Lab File: BF128112.D
Acq: 05 May 2022 23:44

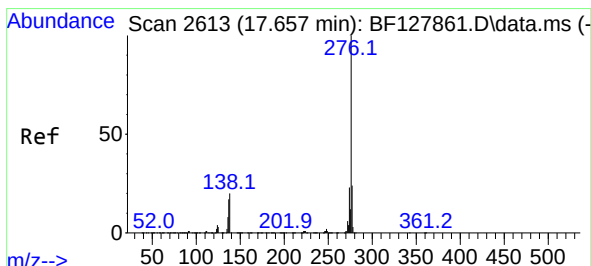
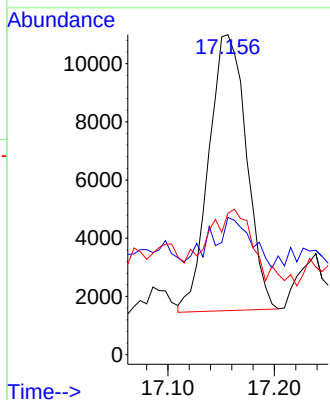
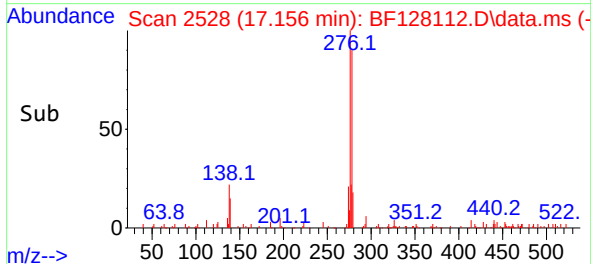
Instrument :
BNA_F
ClientSampleId :
WC-14B-5



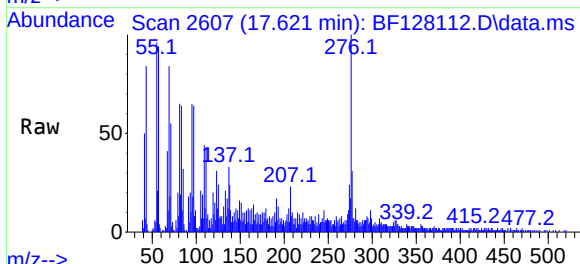
Tgt Ion:278 Resp: 23300
Ion Ratio Lower Upper
278 100
139 42.9 12.6 19.0#
279 44.2 18.9 28.3#

Manual Integrations
APPROVED

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



#92
Benzo(g,h,i)perylene
Concen: 7.857 ng
RT: 17.621 min Scan# 2607
Delta R.T. 0.024 min
Lab File: BF128112.D
Acq: 05 May 2022 23:44



Tgt Ion:276 Resp: 46175
Ion Ratio Lower Upper
276 100
277 31.1 18.8 28.2#
138 24.3 16.2 24.2#

